

Indian Meteorological

BEING

OCCASIONAL DISCUSSIONS AND COMPILATIONS OF
METEOROLOGICAL DATA

RELATING TO

INDIA AND THE NEIGHBOURING COUNTRIES.

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VOL. XI, PART I.

—OBSERVATIONS RECORDED DURING THE SOLAR ECLIPSE OF 22nd JANUARY 1898 AT 151 METEOROLOGICAL STATIONS IN INDIA.

CALCUTTA:

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I.—A discussion on the observations recorded during the solar eclipse of 22nd January 1898 at 154 Meteorological stations in India, by John Eliot, M.A., F.R.S., C.I.E., Meteorological Reporter to the Government of India, and Director General of Indian observatories.

The present memoir contains the special observations recorded at a large number of observatories during the solar eclipse of 22nd January 1898.

As it was anticipated the weather would be fine, it was considered desirable to utilize the observing power of the Department so far as possible in order to obtain a full record of the meteorological conditions accompanying a total solar eclipse, freed so far as is probably ever likely to occur from abnormal atmospheric disturbance.

The following is a copy of the instructions that were given to the observers for these observations:—

“The solar eclipse of 22nd January 1898 will, if the weather be fine, give the India Meteorological Department an opportunity of ascertaining more fully and satisfactorily than has hitherto been done the meteorological phenomena accompanying and due to the occurrence of total solar eclipses, more especially the changes of pressure, temperature, humidity and cloud. It is the desire not only of scientific authorities in Europe, but also of the Government of India, that the Department should avail itself fully of this opportunity and record series of observations on the 22nd in every part of India.

“The eclipse will be total in a narrow belt of country stretching from the Bombay coast near Ratnagiri to the Nepal hills. In this belt are the following observing stations:—

71 Mid	}	Seoni,
72 Myn		Buxar,
Frankfort,		Chapra,
Nagpur,		
		Motihari.

At all other stations the eclipse will be partial.

“The following gives the local and the corresponding Madras time of totality at certain stations in the belt of complete obscuration:—

	Madras time.	Local time.
Ratnagiri	1-11 P.M.	0-44 P.M.
Satara	1-14 ”	0-49 ”
Nagpur	1-27 ”	1-23 ”
Buxar	1-38 ”	1-53 ”
Motihari	1-42 ”	2-1 ”

“The sun will be completely obscured for about two minutes, and the eclipse will last, speaking roughly, for about two hours in the belt of totality, i.e., for an hour before complete obscuration of the sun and for an hour afterwards.

“The proportion of the sun's disc observed during the eclipse decreases northwards and southwards from the line of totality.

“The most valuable observations can be recorded at the stations in the belt of totality, and the importance of the observations will decrease with the distance of the stations from the line of totality.

"A supply of forms for the use of the observer is sent with the circular. The observer should retain one form or set of forms containing the observations in original for his future reference and send a second set neatly copied from the original, as soon after the eclipse as is convenient, to the India Meteorological Office, Calcutta.

The observations that are desired include readings of—

- (1) The barometer,
- (2) Dry and wet bulb thermometers,
- (3) Wind direction and amount,
- (4) Cloud (kind and direction of movement),

and at stations which have the necessary instruments—the grass radiation and solar radiation thermometers. The solar radiation instrument should be set before each reading. Columns for each of these elements of observation are given in the forms.

"In addition it would be desirable that the observer should record in the column headed "Weather remarks" any observations he can make, more especially on the following points :—

- (1) Colour and changes of colour of the sky and of the clouds;
- (2) Any unusual appearance of the sun or of the sky in its immediate neighbourhood at the time of totality or greatest obscuration.

"It is not possible to give full instructions for the latter observations, and their value will depend mainly upon the intelligence, judgment and discrimination of the observer.

"The observations should be recorded as frequently as possible during the eclipse at intervals not exceeding 15 minutes, and, if possible, every 5 or 10 minutes during the eclipse proper. The best arrangement would be the following :—

- (1) Read the instruments every 15 minutes from 10 A.M. to the commencement of the eclipse and again from its termination until 4 P.M., so that a complete record of the weather from 10 A.M. to 4 P.M. may be obtained.
- (2) Read the thermometers (*i.e.*, dry and wet bulbs) and barometer every 5 minutes during the eclipse. If the wind vane and anemometer are placed near to the thermometer shed, read these instruments also every 5 minutes. If they are at some distance away, read them every 10 or 15 minutes.
- (3) Record colours of clouds and sky and any additional observations that you can make whenever time permits.

Observers recording these special observations will be granted awards from the fund for special storm observations, and these will be determined by the number and value of the observations and will be included in the awards paid in the month of February or March 1898.

"All observers that can spare the time, especially at second class observatories, are requested, if possible, to participate in these observations, and if in any case an observer is unable to do so, he should report the matter to his Superintendent and forward through him an explanation of his inability to record these eclipse observations."

Observations were recorded at 154 stations in all.

The following is a list of the stations according to the amount of greatest obscuration:—

I. Total:—

- | | | |
|----------|-----------------------|--|
| 1 Seoni. | 3 Chapra. | 5 Motihari. |
| 2 Buxar. | 4 Nagpur Observatory. | 6 Nagpur Sanitary Commissioner's Office. |

7 Arrah.

II. Between ten and nine-tenths:—

- | | | | | |
|-----------------|----------------|-----------------|------------------|-------------------|
| 8 Ratoagiri. | 17 Katmandu. | 26 Belgaum. | 35 Hazaribagh. | 44 Chaibassa. |
| 9 Amraoti. | 18 Ahmednagar. | 27 Darjeeling. | 36 Ranchi. | 45 Rampur Boalia. |
| 10 Muzaffarpur. | 19 Chikalda. | 28 Chanda. | 37 Cawnpore. | 46 Mangalore. |
| 11 Benares. | 20 Sutna. | 29 Hoshangabad. | 38 Iodora. | 47 Bogra. |
| 12 Dehri. | 21 Allahabad. | 30 Khandwa. | 39 Secunderabad. | 48 Berhampore. |
| 13 Akola. | 22 Poona. | 31 Rajpur. | 40 Lucknow. | 49 Mercara. |
| 14 Jubbulpore. | 23 Pachmarhi. | 32 Purnea. | 41 Bahraich. | 50 Agra. |
| 15 Sholapur. | 24 Buldana. | 33 Karwar. | 42 Rangpur. | 51 Ahmedabad. |
| 16 Patna. | 25 Gaya. | 34 Bhagalpur. | | |

III. Between nine and eight-tenths:—

- | | | | | |
|----------------------------------|-----------------|------------------------|-----------------|-----------------|
| 52 Darbhanga. | 63 Raniganj. | 75 Balasore | 87 Cocanada. | 99 Sambhar. |
| 53 Gorakhpur. | 64 Bellary. | 76 Sibsaagar. | 88 Puri. | 100 Delhi. |
| 54 Daltonganj | 65 Surat. | 77 Faridpur. | 89 Calicut. | 101 Noakhali. |
| 55 Bijapur. | 66 Baokura. | 78 Calcutta (Alipore). | 90 False Point. | 102 Cochin. |
| 56 Saugor. | 67 Karnool. | 79 Jessore. | 91 Silchar. | 103 Roorkee. |
| 57 Mulegaoo. | 68 Burdwan. | 80 Veraval. | 92 Rajkot. | 104 Salem. |
| 58 Bombay Meteorological Office. | 69 Mainpuri. | 81 Cuttack. | 93 Comilla. | 105 Chittagong. |
| 59 Dinajpur. | 70 Serajganj. | 82 Cuddapah. | 94 Barisal. | 106 Dehra Duo. |
| 60 Naya Dumka. | 71 Midnapore. | 83 Gopalpur. | 95 Ranikhet. | 107 Pachpadra. |
| 61 Dhubri. | 72 Mymensingh. | 84 Masulipatam. | 96 Nellore. | 108 Nussoree. |
| 62 Jhansi. | 73 Krisbhoagar. | 85 Narayanganj. | 97 Mount Abu. | 109 Kindat. |
| | 74 Bareilly. | 86 Saugor Island. | 98 Ajmere. | 110 Sirsa. |

111 Bickaneer

112 Bharno.

IV. Less than eight-tenths:—

- | | | | | |
|-------------------|-----------------------|-----------------|-----------------------|---------------------|
| 113 Deesa. | 122 Negapatam. | 130 Lahore. | 139 Khushab. | 147 Diamond Island. |
| 114 Wellington. | 123 Tinnevely. | 131 Lech. | 140 Toungoo | 148 Peshawar. |
| 115 Coimbatore. | 124 Ludhiana. | 132 Montgomery. | 141 Murree. | 149 Quetta. |
| 116 Bhuj. | 125 Pambao. | 133 Minbu. | 142 Rawalpindi. | 150 Rangoo. |
| 117 Chakrata. | 126 Akyab. | 134 Sialkot. | 143 Dera Ismail Khan. | 151 Chaman. |
| 118 Trichinopoly. | 127 Hyderabad (Sind). | 135 Mooltan. | 144 Basseio. | 152 Moulmein. |
| 119 Cuddalore. | | 136 Thayetmyo. | 145 Cherat. | 153 Tavoy. |
| 120 Madura. | 128 Mandalay. | 137 Tauogyi. | 146 Gilgit. | 154 Mergui. |
| 121 Simla. | 129 Kurrachee. | 138 Jacobabad. | | |

The observations were reduced and tabulated in the Calcutta Office. They are in all cases given for Madras time, and not for local time and hence are in this respect strictly comparable. The weather and other remarks are given so far as possible in the words of the observers. It should be remembered that the large majority of the observers are natives on small pay and hence very imperfectly educated. They usually read the instruments carefully and the observations of the barometer, thermometers, wind and cloud may, in the great majority of cases, be accepted as accurate and trustworthy.

No. 1. Lat. 22° 6' N.

SEONI.

Long. 79° 33' E.

Six miles from central line of totality. Greatest obscuration 10.

Hour.	Barometer.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind.		Cloud proportion.	Proportion of eclipse, totality 10.	Weather and other remarks.
	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.					Direction.	Amount since preceding interval, in miles per hour.			
A.M.											
10-0	28.026	30.035	72.8	57.9	206	37	NNE	1	Nil		Weather clear, sky blue, wind strong.
10-5	024	027	74.0	58.1	284	34	NNE	2.4	"		Ditto ditto.
10-10	024	027	74.0	58.1	284	34	NNE	9.6	"		Ditto ditto.
10-15	023	025	74.2	58.1	286	34	NE	4.8	"		Ditto ditto.
10-20	022	027	73.8	58.2	290	35	NE	4.3	"		Ditto ditto.
10-25	021	023	74.2	58.3	290	34	NE	2.4	"		Ditto ditto.
10-30	021	023	74.2	57.7	272	33	NE	1.2	"		Ditto ditto.
10-35	023	024	74.6	58.3	287	33	NNE	8.4	"		Ditto ditto.
10-40	018	019	74.8	58.5	285	33	NE	7.4	"		Ditto ditto.
10-45	020	018	75.2	58.5	286	33	NE	6.0	"		Ditto ditto.
10-50	022	019	75.8	59.3	308	34	NNE	1.2	"		Ditto ditto.
10-55	018	015	75.8	59.3	301	33	NNE	1.2	"		Ditto ditto.
11-0	016	013	75.6	59.3	275	30	NNE	6.0	"		Ditto ditto.
11-5	014	007	76.4	59.3	293	32	NNE	2.4	"		Ditto ditto.
11-10	016	010	76.2	59.3	274	31	NNE	2.4	"		Ditto ditto.
11-15	012	008	76.8	59.5	290	32	NNE	2.4	"		Ditto ditto.
11-20	008	19.97	77.2	59.1	278	30	NNE	1.2	"		Ditto ditto.
11-25	010	19.00	77.2	59.1	276	30	NNE	4.8	"		Ditto ditto.
11-30	008	19.97	77.2	59.1	273	30	NNW	4.8	"		Ditto ditto.
11-35	003	002	77.4	59.3	283	30	NE	2.4	"		Ditto ditto.
11-40	001	005	78.2	59.3	271	28	NNW	2.4	"		Ditto ditto.
11-45	27.990	005	77.8	58.7	260	28	NNE	3.6	"		Ditto ditto.
11-50	007	009	78.6	59.8	290	29	NE	2.4	"		Ditto ditto.
11-55	003	007	78.6	59.5	273	28	NNW	1.2	"		Ditto ditto.
12-0	001	004	79.4	59.3	269	28	NNW	1.2	"		Ditto ditto.
P.M.											
0-5	006	005	79.2	59.9	277	27	NNW	2.4	"		Sky blue, light dull.
0-10	007	006	79.2	60.1	282	28	NNE	0	"	1 at 0-12 P.M.	
0-15	006	006	79.0	59.5	268	27	NNW	3.6	"	2 at 0-21 P.M.	
0-20	004	002	79.6	60.1	279	27	NE	0	"	3 at 0-21 P.M.	Sky blue, light dull, wind calm.
0-25	008	006	79.2	59.7	269	27	NNH	2.4	"		Sky blue, light very dull, general appearance of light yellowish red.
0-30	006	004	79.2	59.7	269	27	NNW	1.2	"	4 at 0-31 P.M.	Ditto ditto.
0-35	008	006	79.2	59.9	279	27	NE	0	"		Sky blue, light very dull, gentle wind, general appearance of light yellowish red.
0-40	004	003	79.0	59.7	272	27	NNE	2.4	"	5 at 0-43 P.M.	Sky blue, light very dull, moderate wind light yellowish red.
0-45	002	003	78.8	59.7	274	28	NNE	2.4	"		Wind calm, light dull.
0-50	002	004	78.2	59.3	270	28	N	3.6	"		Ditto ditto.
0-55	002	004	78.2	59.5	278	29	N	0	"	6	Ditto ditto.
1-0	000	001	78.0	59.1	266	28	NNE	1.2	"		Ditto ditto.
1-5	000	001	78.0	59.1	266	28	NNE	1.2	"		Ditto ditto.
1-10	000	001	78.0	59.1	266	28	NE	0	"	7	Ditto ditto.
1-15	000	001	77.4	59.1	277	29	NNE	0	"		Ditto ditto.
1-20	000	001	77.2	59.5	291	32	NNE	0	"	8 at 1-14 P.M.	Ditto ditto.
1-25	000	001	76.4	59.7	304	34	NNE	0	"	9 at 1-22 P.M.	Ditto ditto.
1-30	000	001	76.0	59.1	261	29	NNE	0	"		Ditto ditto.
1-35	000	001	75.6	59.7	314	36	NNE	0	"	10 at 1-27 P.M.	Full obscuration, weather dark like evening, everything quite quiet and calm, wind totally stopped from 1 P.M. to 2-10 P.M. Several stars were seen. Sky blue in N. W. direction and pale in S. W. Full obscuration lasted for 14 minutes, i.e. from 1-27 to 1-41 P.M.
1-40	000	001	75.2	59.3	274	28	NNE	0	"	9 at 1-28 P.M.	
1-45	000	001	74.2	58.9	312	33	NNE	0	"	8	
1-50	000	001	74.2	59.1	312	33	NNE	0	"	9 at 1-42 P.M.	
1-55	000	001	74.6	58.7	295	35	NNE	0	"		
2-0	000	001	75.2	58.9	300	33	NNE	0	"	7 at 1-51 P.M.	
2-5	000	001	75.8	59.1	295	33	NNE	0	"		
2-10	000	001	76.0	58.7	280	31	NE	0	"	6 at 2-1 P.M.	
2-15	000	001	76.4	59.1	289	31	NE	0	"		
2-20	000	001	76.8	59.5	296	32	NNE	1.2	"	5 at 2-11 P.M.	
2-25	000	001	77.2	59.5	291	32	NNE	0	"		
2-30	000	001	78.0	59.7	280	29	NNE	0	"	4	
2-35	000	001	78.2	59.5	278	29	NNE	1.2	"		
2-40	000	001	78.6	59.7	282	29	NE	2.4	"	3 at 2-28 P.M.	
2-45	000	001	78.6	60.1	291	30	NNE	0	"		
2-50	000	001	79.0	60.1	284	28	NNE	2.4	"	2	
2-55	000	001	79.2	60.5	286	30	NNE	2.4	"	0	The eclipse terminated at 2-55 P.M.
3-0	000	001	79.2	59.9	280	27	NNE	1.2	"		
3-5	000	001	79.2	60.3	288	28	NNE	2.4	"		
3-10	000	001	79.2	60.3	288	28	NNE	1.2	"		
3-15	000	001	79.2	60.3	288	28	NNE	1.2	"		
3-20	000	001	79.2	60.3	288	28	NNE	1.2	"		
3-25	000	001	79.2	60.3	288	28	NNE	1.2	"		
3-30	000	001	79.2	60.3	288	28	NNE	1.2	"		
3-35	000	001	79.2	60.3	288	28	NNE	1.2	"		
3-40	000	001	79.2	60.3	288	28	NNE	1.2	"		
3-45	000	001	79.2	60.3	288	28	NNE	1.2	"		
3-50	000	001	79.2	60.3	288	28	NNE	1.2	"		
3-55	000	001	79.2	60.3	288	28	NNE	1.2	"		
4-0	000	001	79.2	60.3	288	28	NNE	1.2	"		

No. 2. Lat. 25° 34' N.

BUXAR.

Ten miles from central line of totality. Greatest obscuration 10.

Hour.	Barometer.			Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind.		Cloud proportion.	Proportion of eclipse, totality 10.	Weather and other remarks.
	Corrected and reduced to 32°.	Reduced to sea-level and constant gravity.						Direction.	Amount since preceding interval, in miles per hour.			
Madras Time.							%					
A.M.												
10-13	29.796	29.999	71.1	58.7	331	43	WSW	...	...	Nil	...	Fine clear weather during the whole day.
10-18	798	30.001	71.6	58.9	330	43	...	...	9.6	...	...
10-23	797	30.000	72.1	58.9	323	42	WSW	...	...	...	...
10-28	791	29.994	72.6	59.4	332	42	...	...	7.2	...	...
10-33	788	99.1	72.6	59.4	323	41	WSW	...	...	...	...
10-38	783	985	73.3	59.8	335	41	WSW	...	6.0	...	...
10-43	783	985	73.5	59.9	336	41	...	...	...	...	...
10-48	781	983	74.5	60.7	348	42	WSW	...	6.0	...	...
10-53	785	987	73.6	60.4	350	42	...	...	...	...	...
10-58	781	982	75.1	60.7	340	39	WSW	...	5.4	...	...
11-3	779	981	74.1	60.4	343	41	...	...	...	...	...
11-8	773	974	75.1	60.6	337	39	...	...	...	...	...
11-13	774	976	74.4	60.1	332	39	WSW	...	6.0	...	...
11-18	765	967	74.4	60.1	332	39	...	...	...	...	...
11-23	764	966	74.6	60.4	337	39	WSW	...	9.6	...	...
11-28	764	965	75.4	61.3	350	40	...	...	...	...	...
11-33	762	963	75.1	60.9	346	40	WSW	...	4.8	...	...
11-38	761	962	75.3	60.9	344	39	...	...	...	...	...
11-43	760	962	75.3	61.9	352	37	SW	...	7.8	...	...
11-48	756	960	77.1	60.9	335	38	...	...	...	...	...
11-53	753	957	76.1	61.1	340	38	W	...	7.8	...	...
11-58	753	956	76.3	61.8	361	39	...	...	...	...	...
P.M.												
0-5	745	945	76.4	61.1	337	37	W	...	9.6	...	...
0-8	747	947	76.7	61.7	351	38	...	...	...	...	...
0-13	744	943	77.1	61.8	349	37	W	...	9.0	...	...
0-18	744	943	77.1	61.8	349	37	...	...	...	...	1	Eclipse commencing at 0-18 P.M.
0-23	744	944	76.9	61.7	348	38	WSW	...	8.4	...	...
0-28	743	943	76.6	61.6	349	38	...	...	...	...	...
0-33	742	942	76.6	61.6	349	38	WSW	...	36.0	...	...
0-38	738	938	76.1	61.4	350	39	...	...	...	...	2	
0-43	730	930	76.1	61.7	359	40	WSW	...	10.2	...	3	
0-48	731	931	76.1	61.7	359	40	...	...	...	...	4	
0-53	730	930	76.3	61.8	360	40	...	...	...	...	...
0-58	730	930	75.8	61.0	341	38	W	...	1.8	...	...
1-3	730	930	75.8	61.0	341	38	...	...	...	...	...
1-8	730	930	75.6	60.9	340	39	...	...	...	...	5	
1-13	730	931	74.6	60.4	337	39	...	...	...	...	6	
1-18	729	930	74.4	60.2	334	40	W	...	5.6	...	8	
1-23	727	928	73.9	59.7	325	40	...	...	...	...	9	
1-28	726	928	72.6	58.9	316	40	...	...	...	...	...
1-33	725	927	72.1	58.9	323	42	W	...	2.4	...	...
1-38	...	...	...	...	...	...	...	...	...	...	10	Total eclipse lasting 1 minute 35 seconds. A star was seen on the S. B. of the sun at the time of totality of eclipse.
1-53	722	924	72.0	58.7	349	45	...	...	...	...	...
1-58	720	922	72.0	60.0	359	46	W	...	16.1	...	...
2-8	715	916	73.1	61.3	387	47	...	...	...	...	...
2-13	715	916	73.4	61.4	386	46	W	...	4.8	...	...
2-18	710	911	74.4	61.7	381	45	W	...	6.6	...	...
2-23	706	906	75.1	62.1	366	44	...	...	...	...	...
2-28	704	904	75.6	61.7	365	41	...	...	13.8	...	...
2-33	705	905	76.1	61.6	356	40	...	...	...	...	...
2-38	707	907	76.1	60.9	333	38	...	...	...	...	...
2-48	706	908	76.9	62.0	358	38	...	...	...	...	...
3-8	707	906	77.0	62.4	371	40	W	...	4.3	...	...	Eclipse ended at 2-58 P.M.
3-13	705	905	76.8	61.4	340	36	...	...	...	...	...
3-18	703	902	77.1	61.3	333	35	W	...	15.0	...	...
3-23	705	905	76.8	61.1	330	39	...	...	...	...	...
3-28	709	909	76.8	61.4	340	36	W	...	13.2	...	...
3-33	705	905	76.6	61.4	343	37	...	...	...	...	...
3-38	710	910	76.6	61.1	333	36	W	...	13.2	...	...
3-43	710	910	76.6	61.1	333	36	...	...	...	...	...
3-48	706	906	76.1	61.5	354	40	W	...	10.2	...	...
3-53	706	906	76.1	61.5	354	40	...	...	...	...	...
3-58	712	912	76.0	61.4	352	39	...	...	...	...	...

Twelve miles from central line of totality. Greatest obscuration 10.

Hour.	BAROMETER.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind.		Cloud proportion.	WEATHER AND OTHER REMARKS.
	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.					Direction.	Amount since preceding interval, in miles per hour.		
A.M.						%				
10-0	29.881	30.024	67.1	59.2	.400	60	Calm	...	Nil	Sky blue, little hazy.
10-15	'878	'020	68.3	59.0	.405	58	Calm	0	"	Ditto.
10-30	'872	'014	69.2	60.2	.403	55	Calm	0	"	Ditto.
10-45	'866	'008	70.1	59.7	.374	49	SW	0	"	Ditto, light wind.
11-0	'855	29.996	71.1	60.3	.380	50	WSW	0.4	"	Ditto ditto.
11-15	'847	'988	72.2	61.2	.395	50	SW	0.8	"	Ditto ditto.
11-30	'838	'979	72.2	60.3	.365	46	SSW	0.4	"	Ditto ditto.
11-45	'834	'975	73.5	61.6	.390	47	SSW	1.6	"	Ditto ditto.
12-0	'826	'966	74.0	61.7	.388	46	SSW	0	"	Ditto ditto.
P.M.										
0-15	'816	'956	74.4	62.2	.398	46	SW	16.8	"	Ditto strong gusts of wind.
0-28	'809	'949	74.5	62.5	.407	47	SW	0.9	"	Sky still blue. The sun's disc appeared through a smoked glass to decrease steadily from S.W.
0-36	'809	'949	75.3	63.3	.423	48	SW	0	"	Ditto ditto.
0-48	'809	'949	74.8	63.0	.420	49	Calm	1.0	"	Ditto ditto.
1-0	'803	'943	75.1	63.3	.426	49	Calm	0.3	"	Slight darkness such as precedes a storm overpassing from SW; sky slightly color all around.
1-10	'795	'935	74.1	61.4	.376	44	SSW	1.2	"	More gloomy look around.
1-21	'793	'933	73.8	62.2	.407	49	SW	0.5	"	Daylight losing lustre and fading rather rapidly and throwing a glow of a dull yellowish tint on the scenery and surrounding objects. A cool breeze arose. Birds occasionally twitter and suddenly stop.
1-35	'789	'929	72.2	61.3	.398	50	Calm	0	"	Darkness more intense. Aspect ghastly. Luminous intensity like that of full moon.
1-44	'780	'921	70.8	61.4	.419	55	Calm	0	"	A slight gust of cool breeze. Lull around. Total obscurity lasted about 1/2". The outer corona seemed had a band of white intermixed with light pink accompanied by luminous fringes of purple and orange from which projected bright rays of irregular length around. Their lengths extended most to the NNW and SSW. The rays were brighter near the moon. One star was visible in the SSW. On the reappearance of the sun like an electric spark on inky darkness the streamers gradually faded and disappeared.
1-55	'782	'923	69.5	61.5	.441	61	Calm	0	"	Scarlet glow around. Wind nil; birds resumed chirping.
2-12	'781	'922	69.5	62.7	.480	66	Calm	0	"	Sky light blue, sun more intense, its shape oval.
2-24	'781	'921	72.2	63.9	.481	61	Calm	0	"	
2-36	'775	'914	74.1	62.4	.409	48	SW	0	"	Slight gusts of wind. Sky blue.
2-54	'776	'915	74.9	62.2	.391	45	Calm	0	"	Ditto ditto.
3-1	'772	'911	75.2	62.5	.397	45	SW	0.9	"	Wind occasionally stronger.
3-18	'778	'917	75.1	62.4	.395	45	WSW	0.4	"	Ditto variable.
3-33	'776	'915	74.9	62.2	.391	45	SW	0.8	"	Ditto ditto.
3-47	'778	'917	74.5	62.1	.393	45	Calm	0.4	"	Ditto ditto.
4-0	'782	'922	73.7	61.4	.383	46	Calm	0.5	"	Ditto ditto.

Twenty-three miles from central line of totality. Greatest obscuration 10.

Hour.	Barometer.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind.		Cloud proportion.	Proportion of eclipse, totality to.	Weather and other remarks.
	Madras time.	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.				Direction.	Amount since preceding interval, in miles per hour.			
A.M.						%					
10-4	29°03'	30°04'	74°2	57°1	257	30	Calm	...	Nd	...	
10-10	036	037	75°4	58°2	274	31	NNE	4°0	"	...	
10-34	035	035	76°2	57°7	249	28	NNE	2°0	"	...	
10-49	031	027	77°3	58°1	248	26	NE	4°0	"	...	
11-4	028	022	78°6	58°2	233	23	NE	4°0	"	...	Fine clear weather; sky blue and hazy.
11-10	020	014	79°0	58°9	251	25	NE	4°0	"	...	
11-34	015	007	79°6	58°6	234	23	N	8°4	"	...	
11-49	010	001	80°2	59°3	247	23	N	4°0	"	...	
P.M.											
0-4	001	29°90'	80°9	59°1	212	21	NNE	6°0	"	...	Fine clear weather; eclipse commenced at 0-1 P.M.; wind light.
0-14	28°94'	982	81°4	59°5	239	22	NNE	6°0	"	...	
0-19	992	980	61°8	60°7	271	25	Calm	12°0	"	1 at 0-21 P.M.	Weather dull and hazy; sky blue; wind light.
0-24	990	977	82°2	59°0	242	21	N	...	"	...	
0-29	984	972	81°2	59°6	245	23	N	...	"	2 at 0-30 P.M.	
0-34	984	972	81°1	59°6	246	23	N	0°8	"	...	
0-39	982	968	82°0	60°2	252	22	Calm	...	"	3 at 0-37 P.M.	Weather dull and hazy; daylight diminish- ing; atmosphere becoming cool.
0-44	983	971	81°2	59°5	242	23	Calm	...	"	...	
0-49	980	967	81°5	60°2	253	23	NE	2°0	"	4 at 0-47 P.M.	
0-54	973	966	80°9	59°4	243	22	Calm	...	"	5	
0-59	975	964	80°7	59°1	235	22	Calm	...	"	...	Weather dull and hazy; light becoming dim.
1-4	973	961	81°0	59°6	247	22	NE	0°8	"	6 at 1-1 P.M.	
1-9	968	956	80°9	59°6	248	23	Calm	...	"	7 at 1-8 P.M.	
1-14	967	956	60°6	59°6	252	24	Calm	...	"	...	
1-19	965	955	60°2	60°0	269	26	Calm	5°2	"	8 at 1-15 P.M.	Weather gloomy and dull; light very dim.
1-24	961	951	79°5	60°4	290	28	Calm	...	"	9 at 1-22 P.M.	
1-29	979	977	76°2	61°0	349	39	Calm	...	"	10 at 1-28 P.M.	Dark gloomy weather; sky hazy and dark blue; four stars visible.
1-34	975	972	76°4	60°8	342	38	Calm	3°6	"	...	Weather dull, gloomy and hazy.
1-39	965	962	76°3	59°9	315	34	Calm	...	"	...	
1-44	961	956	77°2	59°6	295	32	Calm	...	"	9 at 1-41 P.M.	
1-49	957	951	77°7	59°3	273	29	Calm	0°8	"	8	
1-54	955	948	77°9	59°6	286	30	Calm	...	"	...	Eclipse terminated.
1-59	953	946	76°1	60°0	295	31	Calm	...	"	7 at 1-56 P.M.	
2-4	947	938	79°2	59°6	270	27	Calm	0°8	"	6	Weather dull, fine and hazy.
2-9	947	937	79°6	59°5	262	26	Calm	...	"	...	
2-14	951	940	80°0	59°5	257	25	Calm	...	"	5 at 2-11 P.M.	
2-19	951	940	80°2	59°3	247	23	Calm	1°6	"	4	
2-24	953	942	80°2	58°9	235	22	Calm	...	"	...	3 at 2-27 P.M.
2-29	948	937	80°2	58°6	227	22	ESE	...	"	...	
2-34	950	938	80°3	58°6	220	22	ESE	5°6	"	...	
2-39	947	933	81°2	59°7	240	23	SE	...	"	...	
2-44	957	944	81°2	59°1	229	21	SE	...	"	2 at 2-56 P.M.	1 at 2-45 P.M.
2-49	951	938	81°2	60°3	265	24	SE	5°2	"	...	
2-54	952	937	82°0	60°2	252	22	ESE	...	"	0	
2-59	954	938	82°4	60°7	264	24	ESE	...	"	...	
3-4	958	941	83°0	61°0	264	23	Calm	6°0	"	...	Fine, clear weather.
3-9	950	933	83°2	60°9	260	22	ESE	1°6	"	...	
3-34	954	937	83°1	60°7	255	22	Calm	0°8	"	...	
3-49	954	936	83°5	60°7	250	21	Calm	0°4	"	...	
4-4	954	936	83°6	62°4	301	26	Calm	0°4	"	...	

No. 5. Lat. 26° 40' N.

8

MOTIHARI.

Long. 84° 57' E.

Twenty-three miles from central line of totality. Greatest obscuration 10.

Hour.	BAROMETER.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	WIND.		Cloud. proportion.	Proportion of eclipse, totality to.	WEATHER AND OTHER REMARKS.
	Madras time.	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.				Direction.	Amount since preceding observation, in miles per hour.			
A.M.						%					
11-30		29.812	30.000	73.7	62.7	.424	51	ENE	...	Nil	
12-0		787	29.974	74.7	61.7	.379	44	SE	10	"	
P.M.											
0-15		775	961	75.7	62.7	.398	45	ESR	0	"	
0-30		763	949	75.7	61.7	.365	41	E	0	"	
0-45		753	940	73.7	61.7	.392	47	E	0	"	1, at 0-30 P.M.
1-0		748	935	73.7	61.7	.392	47	ESE	0	"	2, at 0-40 P.M. 3, at 0-50 P.M.
1-15		748	935	72.7	62.7	.438	55	ESE	0	"	4, at 1 P.M. 5, at 1-10 P.M. 6, at 1-20 P.M.
1-30		744	931	72.7	62.7	.439	55	ESR	0	"	
1-45		742	929	72.7	62.7	.438	55	ESE	0	"	7, at 1-30 P.M. 8, at 1-40 P.M. 9, at 1-50 P.M.
2-0		742	929	72.7	62.7	.438	55	ESR	0	"	
2-15		742	929	72.7	62.7	.438	55	ESE	0	"	10 at 2-0 P.M.
2-30		742	929	73.7	62.7	.424	51	ESR	0	"	
2-45		742	928	74.7	63.7	.444	52	ESE	0	"	
3-0		734	920	74.7	63.7	.444	52	ESE	0	"	
3-15		744	930	74.7	63.7	.444	52	E	0	"	
3-30		742	928	74.7	63.7	.444	52	NE	0	"	
3-45		742	928	74.7	63.7	.444	52	E	0	"	
4-0		742	928	74.7	63.7	.444	52	E	0	"	

Twenty-four miles from central line of totality. Greatest obscuration 70.

Hour.	BAROMETER.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind.		Cloud proportion.	Proportion of eclipse, totality 10.	WEATHER AND OTHER REMARKS.
	Madras time.	Corrected and reduced to 32° F.					Direction.	Amount since preceding interval, in miles per hour.			
A.M.						%					
10-0	29°055	30°049	75.2	57.5	256	30	N	...	N/4	...	Sky was clear throughout.
10-15	'050	'043	75.4	57.0	238	27	N	1.2	"	...	
10-30	'048	'038	76.9	58.5	263	29	NNE	2.4	"	...	
10-45	'048	'034	78.9	59.0	254	25	NE	2.8	"	...	
11-0	'046	'030	79.9	59.2	248	24	NE	2.8	"	...	
11-15	'040	'022	80.9	60.0	259	24	N	4.0	"	...	
11-30	'036	'016	81.4	60.2	259	24	NE	22.87	"	...	
11-45	'028	'007	81.9	60.4	260	23	N	4.0	"	...	
12-0	'024	'002	82.4	60.6	259	23	N	2.8	"	...	
P.M.											
0-5	'016	29°592	83.1	61.1	266	23	N	3.6	"	...	
0-10	'015	'990	83.6	61.5	273	24	N	3.6	"	1 at 0-12 P.M.	
0-15	'013	'988	83.8	60.5	239	20	NE	2.4	"	...	
0-20	'011	'986	83.3	60.5	246	22	N	3.6	"	2 at 0-21 P.M.	
0-25	'009	'984	83.5	61.4	271	23	NE	2.4	"	...	
0-30	'005	'981	83.2	61.2	268	23	N	2.4	"	3 at 0-29 P.M.	Sun's heat and brightness decreasing.
0-35	'001	'976	83.8	61.0	254	21	NNE	4.8	"	...	
0-40	'001	'976	83.4	61.2	265	23	NE	1.2	"	4 at 0-38 P.M.	
0-45	28°999	'975	83.7	61.5	271	24	NE	1.2	"	5 at 0-47 P.M.	
0-50	'997	'973	83.1	60.3	242	21	NE	2.4	"	...	
0-55	'995	'972	82.4	60.2	247	22	NE	1.2	"	6 at 0-56 P.M.	
1-0	'993	'970	82.4	59.7	231	21	NE	3.6	"	...	
1-5	'989	'965	82.3	61.2	280	25	NE	1.2	"	7	
1-10	'989	'966	81.8	60.4	273	25	Calm	0	"	...	
1-15	'985	'964	80.9	59.5	244	23	Calm	1.2	"	8 at 1-14 P.M.	
1-20	'983	'963	80.4	60.5	282	27	NE	0	"	9 at 1-22 P.M.	
1-25	'979	'960	79.9	61.4	316	30	Calm	0	"	...	Atmosphere became very dark, and at 1-28 P.M. stars became visible.
1-30	'977	'962	78.9	60.5	300	30	Calm	0	"	...	
1-35	'973	'958	77.9	60.3	307	32	Calm	0	"	10 at 1-33 P.M.	Totality lasted for 1 minute and 20 seconds.
1-40	'973	'959	77.7	60.4	312	32	Calm	0	"	...	
1-45	'973	'958	78.1	60.4	307	32	Calm	0	"	...	
1-50	'973	'957	78.6	61.0	319	33	Calm	0	"	8 at 1-49 P.M.	
1-55	'971	'954	78.9	61.3	325	33	Calm	0	"	7 at 1-57 P.M.	
2-0	'971	'952	79.9	61.5	318	30	Calm	0	"	...	
2-5	'969	'948	80.9	61.8	315	30	Calm	0	"	6	
2-10	'967	'945	81.5	61.4	296	27	Calm	0	"	...	
2-15	'967	'944	81.9	60.4	260	23	Calm	1.2	"	5 at 2-13 P.M.	
2-20	'967	'943	82.3	60.4	255	22	Calm	2.4	"	4 at 2-21 P.M.	
2-25	'967	'942	82.8	60.0	236	21	Calm	3.6	"	...	
2-30	'967	'942	83.0	60.2	240	21	E	2.4	"	3 at 2-29 P.M.	
2-35	'964	'937	83.4	61.6	277	24	E	2.4	"	...	
2-40	'964	'933	83.3	61.8	285	25	Calm	1.2	"	2 at 2-37 P.M.	
2-45	'964	'938	83.4	60.9	296	28	SSE	1	"	1	
2-50	'962	'936	83.7	61.0	255	22	SE	3.6	"	...	
2-53	'962	'935	84.0	61.5	268	23	SE	4.0	"	...	

Thirty eight miles from central line of totality Greatest obscuration 10

Hour.	Barometer		Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure	Relative humidity	Wind		Cloud position	Proportion of obs. to totality	Weather and other remarks
	Corrected and reduced to 32° F	Reduced to sea-level and constant gravity					Direction	Amount as measured by anemometer in miles per hour			
AM											
10-0	29.838	30.008	67.7	59.6	405	60	W				
10-15	855	005	68.5	59.8	399	57	SW	24	Nil		
10-30	855	004	69.7	60.6	409	57	WNW	48	"		
10-45	844	29.993	70.8	61.4	420	55	W	52	"		
11-0											
11-15	838	987	71.7	62.1	431	56	SW	32	"		
11-30	834	983	72.1	62.3	432	55	WSW	28	"		
11-45	830	979	72.0	62.8	439	55	W	36	"		
12-0	818	967	73.8	63.5	450	54	W	28	"		
12-15	814	961	74.5	63.6	444	51	SW	48	"		
PM											
0-15											
0-30	810	957	74.7	63.5	438	51	W				
0-35	800	947	75.7	64.5	450	51	W				
0-40	802	949	75.7	64.2	448	50	SSW	36	"		
0-45	786	932	75.7	61.4	455	51	W	60	"		
0-50	786	932	75.7	61.6	428	48	W				
0-55	783	929	75.8	63.6	428	48	W				
				63.6	426	47	WSW	60	"		
1-0											
1-15	783	929	75.7	63.6	428	48	SW				
1-30	783	929	75.7	63.8	434	48	SW				
1-45	783	929	75.6	63.6	439	49	W				
1-50	783	929	75.7	64.0	441	50	W	27			
1-55	783	929	75.5	63.6	430	48	SW				
2-0	783	928	74.9	63.4	432	50	W				
2-05	778	924	74.7	63.8	414	48	SW	44			
2-10	778	924	74.1	62.8	422	50	W				
2-15	780	927	73.7	62.6	421	51	W				
2-20	780	927	73.7	62.6	421	51	W				
2-25	780	927	73.7	62.6	435	55	W				
2-30	780	927	73.7	62.6	435	55	W				
2-35	780	927	73.7	62.6	435	55	W				
2-40	780	927	73.7	62.6	435	55	W				
2-45	780	927	73.7	62.6	435	55	W				
2-50	780	927	73.7	62.6	435	55	W				
2-55	780	927	73.7	62.6	435	55	W				
3-0	780	927	73.7	62.6	435	55	W				
3-05	780	927	73.7	62.6	435	55	W				
3-10	780	927	73.7	62.6	435	55	W				
3-15	780	927	73.7	62.6	435	55	W				
3-20	780	927	73.7	62.6	435	55	W				
3-25	780	927	73.7	62.6	435	55	W				
3-30	780	927	73.7	62.6	435	55	W				
3-35	780	927	73.7	62.6	435	55	W				
3-40	780	927	73.7	62.6	435	55	W				
3-45	780	927	73.7	62.6	435	55	W				
3-50	780	927	73.7	62.6	435	55	W				
3-55	780	927	73.7	62.6	435	55	W				
4-0	780	927	73.7	62.6	435	55	W				

Eclipse commenced

1.45 P.M. Maximum obscuration. Sun's disc became quite dark and could be distinguished only by a reddish and almost geometrical light round it. On the south-east of this circumference, two adjacent points of light were observed resembling very bright stars. After two or three seconds these points seemed to brighten still more but immediately after they became as they were before. In the meantime innumerable visible rays of red light darted forth round the circumference of the sun's dark disc all things were enveloped in darkness and a star appeared on the north-west of the sun. These phenomena lasted for about 20 seconds.

Every thing faded solemn and still, sky remarkably clear no breeze.

Eclipse ended

Eight miles from central line of totality. Greatest obscuration 9.

Hour.	Barometer.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind.		Cloud proportion.	Proportion of eclipse, totality 10.	Weather and other remarks.
	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.					Direction.	Amount since preceding interval, in miles per hour.			
Madras time.											
A.M.						%					
10-27	29.942	29.990	82.7	63.3	32.3	28	SE	...	Nil	...	Fine weather, and clear sky during the whole day.
10-42	915	993	82.9	63.7	32.6	30	SE	4.4	"	...	
10-57	941	932	84.4	64.1	32.8	27	ESE	4.4	"	...	
11-12	935	983	85.4	64.2	31.8	25	ESE	3.2	"	...	
11-27	932	980	86.1	64.4	31.5	25	SE	4.4	"	...	
11-42	924	972	86.6	64.3	30.5	23	NNE	6.0	"	...	
11-52	922	970	87.4	64.4	29.8	23	SSE	1.8	"	1	
P.M.											
0-2	922	969	87.6	64.2	28.7	22	ENE	4.8	"	2	
0-12	918	966	87.3	64.2	29.1	23	ENE	4.8	"	3	
0-22	910	958	86.9	64.4	30.5	23	SSE	4.2	"	4	
0-32	904	952	86.7	64.3	30.3	23	SSE	6.0	"	5	
0-42	900	948	85.8	64.4	31.8	25	ESE	3.6	"	6	
0-52	893	942	85.2	64.4	32.7	26	SE	3.0	"	7	
1-2	887	936	83.6	64.4	34.9	30	ESE	3.6	"	8	
1-12	882	931	82.3	63.5	33.6	31	Calm	1.2	"	9	
1-22	875	924	81.2	63.6	35.5	34	Calm	1.2	"	9	
1-32	866	915	81.3	61.9	39.6	37	Calm	0	"	8	
1-42	864	913	82.1	66.1	42.8	39	WSW	1.8	"	6	
1-52	860	908	82.9	66.4	42.9	38	WSW	3.0	"	5	
2-2	853	906	83.4	66.5	42.4	37	W	3.0	"	4	
2-12	852	900	83.9	66.6	42.2	36	WSW	5.4	"	3	
2-22	846	894	84.5	66.5	41.1	35	WSW	4.2	"	2	
2-32	845	893	85.0	66.9	41.9	35	SW	6.6	"	1	
2-42	839	887	85.4	66.4	39.5	33	WSW	6.0	"		
2-57	836	884	85.5	67.1	41.7	34	WSW	6.8	"		
3-12	834	882	85.4	66.5	39.7	33	WSW	4.8	"		
3-27	835	883	85.4	66.3	39.2	33	WSW	7.2	"		
3-42	837	885	84.7	67.9	45.9	36	WSW	6.0	"		
3-57	838	886	85.2	67.5	43.8	37	W	7.2	"		
4-12	846	894	84.6	67.3	43.8	37	WSW	7.6	"		
4-27	851	899	84.7	68.1	46.6	39	WNW	6.0	"		

No. 9. Lat. 20° 55' N.

AMRAOTI.

Long. 77° 43' E.

Thirty-five miles from central line of totality. Greatest obscuration 9/8.

Hour.	Barometer.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind.		Cloud proportion.	Proportion of eclipse, totality 10.	Weather and other remarks.
	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.					Direction.	Amount since preceding observations, in miles per hour.			
A.M.	"	"	"	"	"	%					
10-10	28.85	30.041	79.0	59.0	253	25	ESE	...	Nil	...	} Fine clear weather; sky clear and blue, rather hot.
10-25	854	037	79.3	59.1	253	25	ESE	20	"	...	
10-40	851	030	81.0	59.5	243	23	SSE	32	"	...	
10-55	850	029	81.0	59.0	243	22	E	48	"	...	Diffie ditto.
11-10	845	027	80.5	59.5	249	24	S	44	"	...	} The sky overhead was the same as above, but near the horizon to NNE, WNW and WSW, the colour of the sky was darkish blue. Horizon to NNW and ENE was of dark colour.
11-25	836	012	82.0	60.0	246	22	SSE	56	"	...	
11-40	834	010	82.0	60.1	248	22	ESE	16	"	...	
11-55	828	001	83.1	60.1	235	21	ESE	32	"	...	Diffie ditto.
P.M.											
0-10	824	29.997	83.1	60.1	235	21	SSW	08	"	...	} Sky over head deep blue, horizon as before; eclipse commenced from SW. at 0-5 P.M. was hot.
0-15	818	991	83.2	60.9	258	21	WSW	0	"	...	
0-20	813	985	83.5	60.2	233	20	WSW	12	"	2	
0-25	810	981	83.5	60.3	237	21	ESE	48	"	2	} Colour of sun natural, colour of the sky as before.
0-30	808	978	84.1	60.9	248	21	ESE	36	"	3	
0-35	806	977	83.5	60.7	249	21	ESE	24	"	4	
0-40	804	976	83.1	59.9	249	21	ESE	12	"	4	} Ditto ditto.
0-45	798	975	82.9	60.1	238	21	ESE	0	"	5	
0-50	794	968	82.9	61.5	280	25	ESE	0	"	5	
0-55	791	972	82.3	60.1	246	22	ESE	0	"	5	
1-0	792	966	82.5	60.0	268	24	ESE	0	"	6	} No cloud; sun's rays mild.
1-5	791	965	82.3	61.5	280	25	ESE	0	"	7	
1-10	787	961	82.0	60.3	262	24	ESE	0	"	7	
1-15	787	962	81.6	60.3	260	23	ESE	0	"	8	} Calm. Colour of the sky as before; sun's rays mild and day light much diminished.
1-20	787	963	81.2	60.1	259	24	ESE	36	"	8	
1-25	781	958	80.4	60.1	270	25	SSE	0	"	9	
1-30	781	959	80.0	60.3	280	27	SSE	0	"	9.8	} One star appeared near the sun; sun's rays disappeared and darkness prevailed as in evening; air cool. Sun very mild; light increasing rapidly.
1-35	781	961	79.4	60.1	281	27	SSE	0	"	9.0	
1-40	779	959	79.4	59.5	262	26	SSE	12	"	8	
1-45	782	962	79.4	59.2	255	25	SSE	36	"	8	} Eclipse terminated.
1-50	776	954	80.2	59.1	241	23	SSE	36	"	7	
1-55	774	951	80.6	59.5	248	24	SSE	0	"	7	
2-0	774	950	80.8	59.5	245	23	SSE	36	"	7	} Colour of the sky as before.
2-5	776	952	81.0	59.9	253	24	SSE	12	"	6	
2-10	774	950	81.0	59.9	255	24	SSE	72	"	6	
2-15	776	950	82.0	59.8	240	22	SSE	72	"	5	} Ditto
2-20	773	948	81.6	60.1	251	23	SSE	12	"	5	
2-25	774	947	81.6	60.2	256	23	SSE	24	"	4	
2-30	775	949	82.0	59.9	243	22	SSE	84	"	4	} Ditto
2-35	774	947	82.5	60.1	242	22	SSE	12	"	3	
2-40	772	942	83.4	61.0	238	22	WSW	48	"	2	
2-45	770	939	84.0	61.1	254	21	SSE	0	"	0.4	} Eclipse terminated.
2-50	772	941	84.1	61.1	254	21	SSE	0	"	0.4	
2-55	774	944	83.3	60.1	233	21	SSE	12	"	...	
3-0	774	942	81.3	61.0	248	20	S	0.4	"	...	} Ditto
3-05	774	943	81.1	60.9	248	21	S	44	"	...	
3-10	776	944	84.4	61.3	256	21	ESE	20	"	...	
3-15	776	944	84.5	61.7	267	22	SSE	12	"	...	
4-10	778	947	81.1	60.9	248	21	ESE	28	"	...	

No. 10. Lat. $26^{\circ} 7' N$,

MUZAFFARPUR,

Long. $85^{\circ} 30' E$.

Thirty-five miles from central line of totality. Greatest obscuration 9.

HOUR.	BAROMETER.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	WIND.		Cloud disposition.	WEATHER AND OTHER REMARKS.
	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.					Direction.	Amount since preceding interval, in miles per hour.		
A.M.										
9-30	29.81	30.024	66.9	59.9	42.4	64	Calm	..	NI	Blue sky. Fine clear weather.
9-54	28.1	30.0	68.4	60.4	42.0	60	ESE	1.6	"	Ditto.
10-9	28.3	30.12	69.4	60.9	42.3	59	ESE	2.8	"	Ditto.
10-24	28.6	30.05	70.7	61.7	43.1	57	SSE	...	"	Ditto.
10-30	28.6	30.01	72.1	61.4	40.3	51	ESE	...	"	Ditto.
10-54	28.2	29.990	72.7	61.7	40.4	51	SSE	4.8	"	Ditto.
11-9	28.1	30.0	73.9	62.4	41.2	49	ESK	6.4	"	Ditto.
11-21	28.0	30.077	74.1	61.7	41.9	50	ESE	5.2	"	Ditto.
11-30	28.2	30.4	74.4	62.1	39.6	46	SSW	...	"	Ditto.
11-54	28.4	30.1	74.9	62.4	39.5	45	SSE	2.8	...	Ditto.
P.M.										
0-9	28.9	30.16	75.1	62.7	40.5	46	Calm	5.2	...	Ditto.
0-24	28.3	30.10	75.4	62.4	39.2	44	SSE	2.0	NI	
0-30	28.3	30.10	75.1	62.7	40.5	46	...	...	"
0-34	28.3	30.10	75.1	62.9	41.2	47	...	...	"
0-39	28.1	30.3	75.4	62.9	40.8	46	SSE	4.8	"	
0-44	28.1	30.3	75.4	62.4	39.2	44	...	...	...	Dark partially to NNE.
0-49	28.1	30.3	75.1	62.1	38.6	44	...	...	"
0-54	29.7	30.33	75.1	62.1	38.6	44	SSE	1.2	...	
0-59	29.6	30.3	74.9	61.9	38.2	44	...	...	...
1-4	29.6	30.32	74.9	61.9	37.5	44	...	...	...
1-9	29.5	30.31	74.4	61.1	37.4	42	SSE	...	...	Dark, gloomy, from E to NNE.
1-14	29.6	30.32	74.4	61.1	36.4	42	...	...	...
1-19	29.5	30.31	73.9	61.1	37.0	44	...	...	...
1-24	29.5	30.31	73.9	61.1	37.0	44	SSW	1.2	...	
1-29	29.7	30.34	73.9	61.9	40.8	51	...	...	...
1-34	28.0	30.3	71.7	61.9	42.4	55	...	...	...	Dark. At 1:36 P.M. the sun appeared like a small, deep red ball, 2-3 after it was dark and a star was visible for about 10 minutes. Greatest obscuration was nine tenths.
1-39	29.8	30.35	69.9	61.9	44.5	61	Calm	3.6	...	
1-54	29.3	30.31	69.7	62.7	47.8	66	Calm	0.4	...	
2-9	28.8	30.25	71.1	62.9	46.5	61	Calm	0.1	...	
2-24	28.4	30.11	73.4	63.4	45.2	55	Calm	0.8	...	
2-30	28.4	30.20	74.4	62.9	42.2	50	SSW	2.3	...	
2-51	28.4	30.10	74.4	62.9	41.2	50	SSW	...	...
3-9	28.2	30.18	74.4	62.7	41.5	49	SSW	1.8	...	
3-24	28.2	30.18	74.4	62.7	41.5	49	Calm	0	...	
3-30	28.0	30.16	74.1	62.7	41.9	50	Calm	0.8	...	

Thirty-five miles from central line of totality. Greatest obscuration 9.

Greatest obscuration 9.											
Hour.	Barometer.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind.		Cloud proportion.	Proportion of eclipse, totality, 10	WEATHER AND OTHER REMARKS.
Madras time.	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.					Direction.	Amount since preceding interval, in miles per hour.			
A.M.											
9-49	29.805	30.039	68.8	56.5	29.4	42	W	...	Nil		
10-4	78.1	70.1	57.6	31.1	43	WNW	7.6				
10-19	78.6	70.6	57.8	30.5	41	W	7.2				
10-24	78.9	70.9	57.9	30.2	40	NW	5.6				
10-49	78.6	70.8	58.1	29.8	38	WNW	6.4				
11-4	78.3	70.3	58.9	30.8	38	WNW	8.4				
11-19	77.7	70.7	60.2	33.0	38	W	4.8				
11-34	76.7	69.7	59.8	31.6	37	WNW	5.6				
11-49	76.2	69.2	59.8	31.0	35	WNW	6.8				
P.M.											
0-4	75.7	68.6	60.8	32.6	36	W	6.8				
0-19	75.1	68.0	60.4	32.6	34	WSW	6.8				
0-29	74.3	67.1	60.6	31.4	34	WNW	12.8				
0-34	73.8	66.6	60.8	31.4	34	...	...				0-14 P.M. Eclipse began from SE.
0-39	73.4	66.2	60.8	31.4	34	...	...		
0-44	73.4	66.2	60.8	31.4	34	W	8.4				
0-49	73.2	66.0	60.8	31.4	34	...	...		
0-54	73.2	66.0	60.8	31.6	34	WSW	11.4				
0-59	73.2	66.0	60.9	32.0	35	...	...		
1-4	73.0	65.8	61.1	32.6	35	W	7.2				
1-9	72.7	65.5	60.8	32.0	35	W	7.8				
1-14	72.7	65.5	60.8	32.0	35	...	...		
1-19	72.3	65.1	60.9	32.0	35	WSW	4.8				
1-24	72.1	64.9	61.0	32.6	38	WNW	10.2				
1-29	72.1	64.9	60.9	32.6	37	...	...		
1-34	71.9	64.7	60.9	32.6	38	...	...		
1-39	71.8	64.7	60.9	32.6	38	...	...		
1-44	71.6	64.7	60.8	32.0	48	WNW	6.0				
1-49	71.4	64.6	60.8	32.1	48	...	...		
1-54	71.2	64.3	60.9	32.6	50	W	7.8				
1-59	71.2	64.3	61.1	32.6	50	...	...		
2-4	71.2	64.3	61.0	32.6	49	W	4.8				
2-9	71.0	64.0	60.9	32.6	46	...	...		
2-14	71.0	64.0	60.9	32.6	43	WNW	7.2				
2-19	70.8	63.9	60.8	32.6	40	...	...		
2-24	70.8	63.7	60.8	32.6	40	WNW	3.6				
2-29	70.6	63.7	60.8	32.6	40	...	...		
2-34	70.3	63.4	60.6	32.6	40	WNW	1.8				
2-39	70.3	63.1	60.7	32.6	39	WNW	2.4				
2-44	70.1	62.8	60.7	32.6	39	WNW	...				
2-49	70.3	63.0	60.8	32.6	37	...	...		
2-54	70.3	63.0	60.8	32.6	35	...	...		
2-59	70.3	63.0	60.9	32.6	36	...	...		
3-4	70.7	63.4	60.8	32.6	34	WNW	4.4				
3-9	70.9	63.6	60.8	32.6	33	...	...		
3-14	71.1	63.8	60.8	32.6	31	...	...		
3-19	71.1	63.8	60.8	32.6	30	W	5.6				
3-24	71.1	63.8	60.8	32.6	34	...	...		
3-29	71.0	63.7	60.8	32.6	34	...	...		
3-34	71.2	63.9	60.8	32.6	34	WNW	5.2				
3-39	71.2	63.9	60.8	32.6	34	...	...		
3-44	71.1	63.8	60.8	32.6	33	...	...		
3-49	71.1	63.8	60.8	32.6	33	WNW	6.9				
3-54	71.1	63.8	60.8	32.6	33	...	...		
3-59	71.1	63.8	60.8	32.6	33	...	...		

0-14 P.M. Eclipse began from SE.

0-49 P.M. sky assumed a light copper hue, and western breeze sprang up lasting for a short time. The copper colour deepened with the increase of the eclipse.

1-30 P.M. diurnal overcast the earth lasting for about 30 seconds. After this flashes of light began to come out from the sun at short intervals. Two stars were visible; one to the west and the other just below the sun towards SSE; these disappeared at 1-41 P.M. when the portion of sun not obscured was more than 1.

At 3 P.M. the eclipse ended; the eclipse was not completely total, a crescent of the sun just like of the new moon was left on the NE.

No. 12. Lat. 24° 55' N.

DEHRL.

Long. 84° 3' E.

Forty-five miles from central line of totality. Greatest obscuration 9.

Hour.	Barometer.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind.		Cloud proportion.	Proportion of eclipse, totality 10.	Weather and other remarks.
	Madras time.	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.				Direction.	Amount since preceding interval, in miles per hour.			
A.M.											
10-0	29'695	30'015	69'6	59'5	376	53	SSW	—	NH	...	
10-15	693	1008	74'1	59'5	316	38	SW	10'4	"	...	
10-30	691	1005	75'1	59'5	303	35	WSW	5'2	"	...	
10-45	682	29'995	76'1	60'5	321	30	WSW	4'0	"	...	
11-0	674	987	76'1	62'5	386	44	SSW	0'8	"	...	
11-15	663	975	77'1	62'5	373	41	SW	9'2	"	...	
11-30	661	973	78'1	61'5	337	34	SW	5'2	"	...	
11-45	639	950	79'1	61'5	314	32	SW	10'8	"	...	
12-0	636	946	80'1	61'5	300	30	WSW	10'8	"	...	
P.M.											
0-15	635	944	81'0	61'5	287	28	SW	9'2	"	...	Fine clear weather and blue sky.
0-30	629	938	81'0	61'5	287	28	SW	9'0	"	1	
0-45	627	936	81'0	62'0	304	29	SW	8'4	"	2	
0-30	623	932	81'0	62'0	304	29	WSW	14'4	"	2	
0-40	623	932	81'0	62'0	304	29	W	12'0	"	3	
0-45	621	930	81'0	60'5	275	25	W	7'2	"	3	
0-50	621	931	80'1	60'5	268	27	W	13'2	"	3	
0-55	619	929	80'1	60'0	252	25	W	10'8	"	4	
1-0	615	923	80'1	60'0	252	25	SW	13'2	"	4	
1-5	607	917	80'1	60'0	252	25	W	8'4	"	5	
1-10	607	917	80'1	60'0	252	25	WSW	7'2	"	5	
1-15	607	918	79'6	60'0	259	26	SSW	8'4	"	5	
1-20	605	916	79'1	60'0	265	27	SW	10'8	"	7	
1-25	603	915	78'6	59'5	250	27	SW	12'0	"	7	Fine clear weather and dark blue sky.
1-30	601	913	78'1	59'0	247	26	SW	10'8	"	8	
1-35	599	911	78'1	59'0	247	26	SW	9'6	"	8	
1-40	599	911	77'1	58'5	246	27	SW	7'2	"	9	Do do. blue sky and dark.
1-45	597	910	76'6	58'5	252	28	SW	4'8	"	9	
1-50	597	910	76'1	58'5	259	29	SW	2'4	"	9	Do do. and dark blue sky.
1-55	595	908	76'1	58'5	239	29	SW	4'8	"	8	
2-0	599	912	76'1	58'5	259	29	SW	3'6	"	7	
2-5	599	912	76'1	59'5	290	33	SW	2'4	"	6	
2-10	601	914	76'1	59'5	290	33	WSW	2'4	"	5	
2-15	605	917	77'1	60'0	292	39	SW	4'8	"	4	
2-20	605	917	77'6	59'5	270	28	SW	6'0	"	3	
2-25	603	915	78'1	59'5	263	21	W	7'2	"	3	Do do. blue sky.
2-30	601	913	78'1	59'5	294	39	SW	3'6	"	3	
2-35	593	904	79'1	60'5	281	29	WSW	3'6	"	2	
2-40	589	900	79'1	60'5	281	21	SW	4'8	"	1	
2-45	589	899	79'6	61'5	288	31	W	4'8	"	1	
2-50	589	899	80'1	62'0	316	31	SW	7'2	"	1	
2-55	589	899	80'1	62'0	316	31	W	7'2	"	1	
3-0	593	903	80'1	61'0	281	28	W	3'6	"	...	Eclipse terminated at 3 P.M.
3-15	595	905	80'1	60'5	268	27	W	17'2	"	...	
3-30	599	909	80'1	60'5	268	27	SW	10'8	"	...	
3-45	596	906	80'1	60'5	268	27	SW	9'2	"	...	
4-0	598	908	80'1	60'5	268	27	SW	10'0	"	...	

Forty-eight miles from central line of totality. Greatest obscuration 9.

Hour.	BAROMETER.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	WIND		Cloud proportion.	Proportion of eclipse, totality 10.	WEATHER AND OTHER REMARKS.
	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.					Direction.	Amount since preceding interval, in miles per hour.			
A.M.	"	"	"	"	"	"					
10-13	29° 150	30° 049	75.8	55.9	188	21	SE	...	Nil	...	Weather fine throughout 10-13 A.M. to 4-13 P.M.
10-23	149	147	76.0	56.1	188	21	E	4.8	"	...	
10-28	152	149	76.4	56.3	189	21	Caln	3.0	"	...	
10-31	154	150	...	...	...	...	...	...	"	...
10-33	154	150	77.4	57.3	205	22	Caln	2.4	"	...	
10-38	153	149	77.7	57.3	200	21	Caln	2.4	"	...	
10-43	154	149	78.1	57.7	207	22	Caln	2.4	"	...	
10-48	152	146	78.7	58.1	212	22	Caln	1.2	"	...	
10-53	145	137	...	...	...	...	Caln	2.4	"	...	
10-58	143	133	79.8	59.3	233	23	SE	1.2	"	...	
11-3	144	131	...	...	...	...	Caln	3.6	"	...	
11-8	145	135	...	...	...	...	Caln	2.4	"	...	
11-13	142	132	80.0	58.7	214	21	SE	2.4	"	...	
11-18	138	127	...	...	...	...	Caln	0	"	...	
11-23	137	125	...	...	...	...	NE	2.4	"	...	
11-28	133	120	81.0	59.4	221	21	Caln	4.8	"	...	
11-33	130	117	...	...	...	...	Caln	0	"	...	
11-38	126	113	...	...	...	...	SE	1.2	"	...	
11-43	124	111	81.1	58.0	177	17	E	3.6	"	...	
11-48	122	108	...	...	...	...	Caln	3.6	"	...	
11-53	120	105	...	...	...	...	Caln	1.2	"	...	Eclipse commenced from south-west part of sun's disc.
11-58	121	105	82.7	60.4	230	20	Caln	0	"	1	
P.M.	"	"	"	"	"	"					
0-3	117	100	...	...	...	...	E	1.2	"	1.5	
0-8	115	99.07	83.3	59.8	202	18	Caln	3.6	"	2	
0-13	1108	990	83.5	60.6	225	20	Caln	2.4	"	2	
0-18	1105	989	83.6	58.7	178	16	ESE	0	"	2	
0-23	1103	988	83.0	59.5	197	18	ENE	4.8	"	2.5	
0-28	1099	982	82.9	58.9	180	16	NE	3.6	"	3	
0-33	1097	981	82.7	58.7	208	19	Caln	3.6	"	3	
0-38	1093	977	82.7	59.5	260	22	NW	1.2	"	3.5	
0-43	1091	974	83.1	60.3	222	19	Caln	1.2	"	4	
0-48	1090	973	82.7	60.1	221	21	E	1.2	"	5	
0-53	1084	969	82.9	60.8	240	22	Caln	2.4	"	5.5	
0-58	1080	962	82.3	59.4	203	19	Caln	1.2	"	6	
1-3	1078	960	82.2	59.8	217	20	Caln	1.2	"	6.5	
1-8	1076	958	81.8	60.2	238	22	NW	1.2	"	7	
1-13	1077	961	81.7	60.1	234	22	Caln	0	"	7.5	
1-18	1073	957	81.5	60.4	246	23	Caln	0	"	8	
1-23	1071	955	81.2	59.4	218	20	Caln	1.2	"	9	One star appeared to the south-west at the time of greatest obscuration, the tent of sun hardly felt, and sun light appeared feeble like twilight.
1-28	1067	952	80.8	60.8	267	26	Caln	0	"	9.5	
1-31	1072	959	...	...	...	...	Caln	0	"	8	
1-36	1074	962	79.5	60.6	270	28	Caln	0	"	7	The star disappeared.
1-43	1071	959	79.7	60.9	285	28	Caln	0	"	6	
1-48	1065	952	80.1	61.0	284	28	Caln	0	"	5	
1-53	1070	956	80.4	61.4	293	28	Caln	0	"	4	
1-58	1067	952	81.1	60.8	263	25	Caln	0	"	3	
2-3	1071	955	81.5	60.2	249	22	Caln	0	"	2.5	
2-8	1066	949	81.9	59.5	222	20	Caln	0	"	2	
2-13	1060	943	82.0	59.6	214	20	Caln	0	"	1.5	
2-18	1059	941	82.4	59.7	213	19	Caln	1.2	"	...	
2-23	1059	941	82.6	60.1	222	20	Caln	0	"	1	
2-28	1057	938	82.9	60.3	224	20	Caln	1.2	"	...	
2-33	1055	937	83.1	60.2	218	19	Caln	0	"	0.5	
2-38	1057	938	82.7	60.5	220	20	Caln	1.2	"	...	
2-43	1058	938	82.1	61.0	230	20	Caln	2.4	"	Slight.	Clear, no shadow on the sun.
2-48	1058	937	82.7	62.1	258	22	Caln	0	"	...	
2-53	1057	934	85.5	61.4	225	18	E	2.4	"	...	
2-58	1059	935	85.9	61.7	229	19	Caln	1.2	"	...	
3-3	1057	933	...	...	...	...	Caln	1.2	"	...	
3-8	1058	935	...	...	...	...	Caln	1.2	"	...	
3-13	1058	935	85.2	60.6	203	17	Caln	0	"	...	
3-18	1056	933	...	...	...	...	E	1.2	"	...	
3-23	1058	930	...	...	...	...	Caln	3.0	"	...	
3-28	1060	939	84.7	59.9	188	15	ENE	4.8	"	...	
3-33	1062	934	...	...	...	...	Caln	1.2	"	...	
3-38	1064	936	...	...	...	...	NE	1.2	"	...	
3-43	1064	935	86.7	62.6	247	20	Caln	1.2	"	...	
3-48	1064	939	...	...	...	...	Caln	1.2	"	...	
3-53	1065	940	...	...	...	...	Caln	2.4	"	...	
3-58	1064	938	86.8	62.1	230	18	Caln	3.6	"	...	
4-3	1062	936	...	...	...	...	Caln	2.4	"	...	
4-8	1064	939	...	...	...	...	SE	3.6	"	...	
4-13	1064	939	86.5	61.5	215	17	Caln	4.8	"	...	

Fifty miles from central line of totality. Greatest obscuration 0.5.

Hour.	Barometer.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind.		Cloud per cent.	Proportion of eclipse, totality to.	Weather and other remarks.
	Madras time.	Corrected and reduced to 32° F.					Direction.	Amount since preceding interval, in miles per hour.			
A. M.	"	"	"	"	"	%					
10-1	28° 743	30° 073	67° 0	55° 9	311	47	SSE	"	Nil	...	Clear.
10-16	743	071	67° 8	56° 6	322	47	SE	16	"	...	
10-31	737	057	70° 2	58° 2	328	45	Calm	12	"	...	
10-46	734	053	70° 5	57° 7	320	43	WNW	12	"	...	
11-1	728	041	72° 8	58° 4	311	38	SE	08	"	...	Hazy.
11-16	722	034	73° 2	59° 2	331	40	WNW	04	"	...	
11-31	723	032	74° 4	59° 6	328	38	NNE	20	"	...	
11-46	717	025	74° 6	59° 7	328	38	NNW	16	"	...	
11-55	709	015	75° 0	59° 8	327	37	Calm	27	"	...	Eclipse commenced from S. W.
12-0	704	009	75° 2	59° 8	323	37	NW	72	"	...	
P. M.											
0-5	703	008	75° 4	60° 0	327	37	NNW	48	"	...	
0-10	703	006	75° 9	60° 2	328	36	NNW	96	"	1	Light gale. Colour of sky became light and sun light diminishing.
0-15	700	003	76° 4	60° 2	322	35	WNW	72	"	...	
0-20	698	001	76° 5	60° 3	324	35	NW	72	"	2	
0-25	699	000	77° 4	61° 0	333	35	NNW	168	"	...	
0-30	693	29° 933	77° 7	61° 1	334	35	WNW	60	"	3	Sky pale and dull and daylight much dimmed.
0-35	699	988	77° 8	61° 2	336	35	WNW	48	"	3	
0-40	688	987	77° 6	61° 3	340	35	NW	60	"	3	
0-45	686	986	77° 4	61° 4	346	36	WNW	72	"	4	
0-50	682	982	77° 2	61° 0	337	36	NNW	60	"	4	Sky gloomy and air perfectly still.
0-55	681	981	77° 0	60° 7	329	35	NW	48	"	4	
1-0	676	978	76° 6	60° 5	326	35	NW	84	"	5	
1-5	672	974	76° 6	60° 3	322	35	Calm	12	"	5	
1-10	670	973	76° 2	60° 1	321	36	Calm	12	"	6	Planet Venus appeared near the sun and other stars became slightly visible.
1-15	670	973	75° 6	60° 2	330	37	NNE	84	"	...	
1-20	667	970	75° 2	60° 2	337	38	NE	84	"	7	
1-25	664	970	74° 2	60° 0	313	40	N	24	"	...	
1-30	663	970	74° 1	60° 0	344	41	Calm	12	"	8	Weather cool and gloomy.
1-35	662	971	73° 4	60° 0	352	43	NW	48	"	...	
1-40	658	969	72° 6	60° 2	368	45	Calm	12	"	9.5	
1-45	656	969	72° 0	60° 2	376	48	Calm	0	"	...	
1-50	657	971	71° 2	60° 6	399	53	Calm	0	"	...	At 2-56 P.M. eclipse terminated
1-55	659	970	72° 6	60° 4	376	46	Calm	0	"	...	
2-0	659	969	73° 0	61° 0	389	48	Calm	0	"	6	
2-5	657	966	73° 8	61° 2	385	46	Calm	0	"	5	
2-10	653	959	74° 2	60° 8	366	43	NW	24	"	...	
2-15	651	955	75° 0	60° 8	358	41	NNW	48	"	4	
2-20	651	954	75° 4	60° 4	340	38	NW	12	"	...	
2-25	650	953	76° 0	60° 3	329	36	Calm	12	"	2	
2-30	649	950	76° 2	60° 2	324	36	N	24	"	...	
2-35	649	948	77° 0	60° 4	321	34	NNE	36	"	...	
2-40	649	947	77° 2	60° 5	322	34	Calm	12	"	...	
2-45	651	950	77° 4	60° 5	317	34	NNE	24	"	1	
2-48	646	942	78° 0	60° 7	317	33	N	60	"	...	
3-3	648	942	78° 5	61° 0	320	33	NNE	16	"	...	
3-18	651	943	79° 2	61° 2	318	32	SE	32	"	...	
3-33	651	944	79° 2	61° 2	318	32	ESE	20	"	...	
3-48	650	943	79° 2	61° 2	318	32	NNE	20	"	...	
4-1	650	943	79° 2	61° 2	314	32	NE	28	"	...	

No. 15. Lat. $17^{\circ} 41' N$

SHOLAPUR.

Long. $75^{\circ} 56' E$

Fifty-four miles from central line of totality. Greatest obscuration 9

Hour	Barometer		Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure.	Relative humidity	Wind		Cloud percentage	Weather and other remarks
	Madras time.	Corrected and reduced to $32^{\circ} F$	Reduced to sea level and constant gravity				Direction	Amount since preceding interval in miles per hour		
A M	"	"	"	"	"	%				
10-17	28.463	30.027	75.7	58.1	263	30	SE		Nil	The sky throughout the day was clear and of usual blue colour
10-32	466	1019	77.5	58.3	249	26	SE	8.6	"	
10-47	465	021	76.5	57.8	249	28	SE	8.8	"	
11-2	480	013	77.8	59.1	239	29	SE	10.6	"	
11-17	451	000	78.7	59.3	230	26	ESE	8.3	"	
11-32	451	000	78.7	59.9	253	25	SE	10.0	"	
11-47	440	9985	79.8	59.3	259	24	ESE	9.2	"	The first contact was observed about 11.30 A.M. from SW
11-52	439	983	80.0	59.1	242	23	SE	7.0	"	
11-57	439	981	80.7	59.3	239	22	SE	10.8	"	During the eclipse the sky remained clear and blue while the distant horizon seemed looked white and of leaden hue for about 30 hours during the process of obscuration. Only one star was seen to the S.W. near the sun about one-fourth of the distance between the sun and horizon. Objects appeared just as if seen during a quarter or half moon and there was sufficient light to see the surrounding objects. Two owls, however, during greatest obscuration came outside their nest but did not fly when the eclipse was nearly over. During the obscuration a gentle cool breeze blew, the coolness being due to the subdued rays of the sun and a shadow as of sea waves was seen rippling along the ground.
P M										
0-0	437	988	80.7	59.3	229	22	ESE	11.0	"	
0-7	434	974	81.2	59.3	223	21	ESE	14.4	"	
0-13	431	974	80.2	59.3	245	23	ESE	9.8	"	
0-17	428	966	80.0	59.3	239	22	ESE	9.6	"	
0-22	424	965	80.8	58.3	210	19	NE	9.6	"	
0-27	420	961	80.8	58.5	216	20	ESE	10.2	"	
0-32	417	954	82.1	59.0	215	20	SE	10.4	"	
0-37	412	953	80.7	59.3	238	22	ESE	7.0	"	
0-42	412	950	81.7	58.2	195	18	ESE	6.7	"	
0-47	409	947	81.2	58.0	196	18	E	6.8	"	
0-52	409	946	81.5	58.5	207	20	ESE	13.2	"	
0-57	405	945	80.7	57.8	195	19	ESE	17.9	"	
1-2	404	948	79.9	58.2	218	20	ESE	10.1	"	
1-7	401	943	79.9	58.2	218	21	ESE	8.8	"	
1-12	400	943	79.7	57.7	206	20	ESE	9.0	"	
1-17	398	941	79.8	58.2	220	21	ESE	6.5	"	
1-22	394	939	79.0	57.8	218	21	ESE	7.4	"	
1-27	391	937	78.7	57.6	215	22	ESE	8.9	"	
1-32	388	934	78.7	57.7	218	22	E	8.8	"	
1-37	385	929	79.4	57.3	198	19	E	6.4	"	
1-42	383	925	79.9	57.4	195	18	E	7.7	"	
1-47	382	924	80.0	57.5	197	19	E	7.9	"	
1-52	379	919	80.2	57.6	197	19	E	7.7	"	
1-57	378	918	80.4	57.4	188	18	E	10.3	"	
2-2	375	912	81.3	58.0	194	18	E	6.4	"	
2-7	373	909	81.5	58.3	201	18	ESE	8.0	"	
2-12	375	912	81.3	58.2	203	19	E	8.8	"	
2-17	375	912	81.3	59.0	224	19	ESE	15.3	"	
2-22	373	907	82.2	58.6	201	19	SE	10.2	"	
2-27	370	903	82.8	59.1	214	19	ESE	10.7	"	
2-32	368	903	81.0	59.1	220	19	E	10.7	"	
2-37	365	898	82.8	59.4	216	19	F	10.0	"	
2-42	365	896	81.4	59.8	222	20	SE	10.1	"	
2-47	365	897	83.0	59.5	218	20	ESE	9.6	"	Last contact at about 2.47 P.M.
3-2	363	892	83.6	59.7	216	19	ESE	10.4	"	
3-7	363	889	84.0	59.4	203	17	NE	13.2	"	
3-12	360	889	83.9	59.5	205	18	NE	17.8	"	
3-17	362	889	84.6	59.9	211	18	E	21.0	"	
4-2	364	890	84.6	59.3	189	15	NE	19.3	"	
4-17	367	894	84.6	61.3	251	21	ENE	17.0	"	

Fifty-eight miles from central line of totality. Greatest obscuration 9'8.

HOUR.	BAROMETER.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	WIND		Cloud proportion.	Proportion of eclipse, totality to.	WEATHER AND OTHER REMARKS.
	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.					Direction.	Amount since preceding interval, in miles per hour.			
A.M.	"	"	"	"	"	%.					
9-40	29.875	30.019	65.8	57.2	.356	56	W	...	Nil	...	Fine clear weather and sky bluish colour.
9-55	.879	.023	66.5	57.4	.353	54	W	1.6	"	...	Do. do.
10-10	.875	.019	67.3	57.6	.348	52	Calm	0	"	...	Do. do.
10-25	.871	.015	67.9	58.2	.389	57	Calm	0	"	...	Do. do.
10-40	.868	.011	68.8	58.9	.397	56	Calm	0	"	...	Do. do.
10-55	.861	.004	69.5	60.7	.415	58	Calm	0	"	...	Do. do.
11-10	.853	29.995	71.0	60.6	.390	51	Calm	0	"	...	Do. do.
11-25	.841	.985	71.5	61.9	.427	56	WSW	0.4	"	...	Do. do.
11-40	.834	.976	72.1	61.0	.390	50	Calm	0	"	...	Near the horizon, towards the river side secondary calm and quiet.
1-50	.829	.971	72.9	62.0	.410	51	SW	1.2	"	...	
12-0	.822	.964	73.3	62.2	.413	51	SW	0.6	"	...	
P.M.											
0-10	.814	.956	73.5	62.1	.406	49	SW	0.6	"	...	Eclipse commenced 0-12 P.M.
0-20	.809	.951	73.6	62.2	.408	49	SW		"	...	
0-25	.805	.946	74.5	62.3	.400	46	S		"	1	
0-30	.803	.944	74.5	62.3	.400	46	W	3.6	"	1.5	
0-35	.803	.944	74.6	62.3	.399	46	SW	1.2	"	2	
0-40	.801	.942	74.5	61.8	.384	44	W	1.2	"	2.5	
0-45	.798	.939	74.7	62.2	.391	45	SW	2.4	"	3	
0-50	.798	.939	74.5	62.0	.390	45	W	2.4	"	3.5	
0-55	.796	.937	74.9	62.5	.400	46	W	1.2	"	4	Colour of the sky dusky, as if cloudy.
1-0	.794	.935	74.9	62.5	.400	46	W	1.2	"	4.5	Do. do.
1-5	.792	.933	75.0	62.7	.407	47	WSW	2.4	"	5	
1-10	.792	.933	74.7	61.9	.384	41	W	3.6	"	5.5	
1-15	.792	.933	75.1	62.7	.404	46	SSW	1.2	"	6	Appearance of the whole sky gloomy, as if dust-storm approaching.
1-20	.790	.931	75.2	62.0	.381	44	W	2.4	"	7	Do. do.
1-25	.788	.929	74.3	61.4	.373	43	W	3.6	"	7.5	Do. do.
1-30	.783	.924	74.1	61.4	.377	44	WSW	2.4	"	8	Do. do.
1-35	.784	.926	73.5	61.5	.388	47	W	2.4	"	9	Do. do.
1-40	.783	.925	73.4	61.2	.379	45	Calm	0	"	9	Breeze noticed.
1-45	.781	.923	73.2	61.2	.382	46	Calm	0	"	9.5	Sea slightly visible.
1-50	.779	.921	72.5	61.2	.391	49	Calm	0	"	9.8 at 1-48 P.M.	The sun began to emerge at 1-47 P.M. Planet Venus and a star were seen at the time of the greatest obscuration. The light was like subdued twilight, but brighter than moonlight, lasting for 1½ minutes.
1-55	.771	.913	71.8	61.8	.420	54	Calm	0	"	...	
2-0	.776	.918	71.5	61.9	.427	56	Calm	0	"	...	
2-5	.771	.913	71.3	62.2	.440	57	W	1.2	"	...	
2-10	.769	.911	71.4	61.6	.452	59	Calm	0	"	...	
2-20	.765	.907	72.5	63.0	.450	56	Calm	0	"	...	
2-30	.768	.910	73.3	62.2	.413	51	W	1.2	"	...	
2-40	.764	.905	74.3	63.6	.446	53	SW	0.6	"	...	
2-55	.766	.907	75.2	62.3	.390	44	WSW	0.8	"	...	The sun became quite clear at 3-4 P.M.
3-10	.764	.905	75.6	62.6	.395	45	SW	0.4	"	...	
3-25	.768	.909	75.6	63.6	.429	49	WSW	0.4	"	...	
3-40	.770	.911	75.4	63.3	.422	48	W	1.2	"	...	

No. 17. Lat. $27^{\circ} 42' N$.

KATMANDU.

Long. $85^{\circ} 12' E$.

Sixty-two miles from central line of totality. Greatest obscuration 9.

Hour.	Barometer.	Corrected and reduced to 32° F.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind.		Cloud.		Proportion of eclipse, totality to.	Weather and other remarks.
							Direction.	Amount since preceding interval, in miles per hour.	Kind.	Direction of motion.		
A.M.												
9-10	25.691	54.6	48.4	270	63	S	0	...	...	...
9-55	25.691	54.6	48.4	270	63	S	0	...	...	...
10-10	25.684	58.0	50.8	290	60	Calm	0.4	Cu.	SE	...		Cumulus clouds in SE and N of horizon, and a small patch on the zenith.
10-25	25.680	59.0	50.8	279	55	SE	2.8	Cu.	SE	...		
10-40	25.678	58.8	50.8	281	50	SE	0.8	Cu.	SE	...		
10-55	25.676	60.7	51.8	284	53	SSE	2.0	Cu.N	SE	...		
11-10	25.676	61.9	52.0	276	49	SSE	0.4	Cu.N	SE	...		
11-25	25.676	61.9	52.0	276	49	SE	1.6	Cu.N	SE	...		
11-40	25.652	62.9	52.0	261	46	SE	4.0	Cu.N	E	...		
11-55	25.648	63.1	52.6	277	48	SE	3.2	Cu.N	E	...		
P.M.												
0-10	25.644	64.1	52.6	265	44	S	0.8	Cu.N	S	...		
0-25	25.644	63.3	51.8	254	44	Calm	0	Cu.N	S	...		
0-30	25.635	63.3	51.8	254	44	Calm	0	Cu.N	S	...		
0-35	25.634	63.3	51.8	254	44	S	1.2	Cu.N	S	...		First external contact.
0-40	25.630	63.5	52.2	263	45	NW	10.8	Cu.N	NW	1		
0-45	25.640	63.9	52.6	267	45	W	1.2	Cu.N	W	2		
0-50	25.636	65.1	53.0	265	43	SW	1.2	Cu.N	SW	3		
0-55	25.626	65.1	53.0	265	43	SW	1.2	Cu.N	SW	4		
1-0	25.618	64.7	52.8	264	43	SW	1.2	Cu.N	SW	4		
1-5	25.618	64.7	52.6	259	42	W	1.2	Cu.N	W	4		
1-10	25.618	64.5	52.6	261	42	Calm	0	Cu.N	W	4		
1-15	25.618	64.7	52.6	264	43	Calm	0	Cu.N	W	5		
1-20	25.618	63.3	52.6	275	47	Calm	0	Cu.N	W	5		
1-25	25.618	63.9	52.8	273	46	Calm	0	Cu.N	W	6		
1-30	25.620	62.9	52.0	264	46	Calm	0	Cu.N	W	6		
1-35	25.620	62.7	52.2	272	48	Calm	0	Cu.N	W	7		
1-40	25.620	61.9	52.4	286	51	Calm	0	Cu.N	NW	7		
1-45	25.620	60.9	52.2	292	54	Calm	0	Cu.N	W	8		Sky quite blue; clouds yellowish and the earth of muddy colour like that of clear moon light.
1-50	25.620	59.9	52.2	303	59	Calm	2.4	Cu.N	NW	8		Greatest obscuration.
1-55	25.620	59.0	51.8	303	60	Calm	2.4	Cu.N	NW	8		Second internal contact.
2-0	25.620	59.2	51.2	287	57	NW	2.4	Cu.N	NW	7		
2-5	25.620	59.0	51.2	289	58	NW	4.8	Cu.N	NW	7		
2-10	25.620	59.2	51.4	292	58	Calm	2.4	Cu.	NW	5		
2-15	25.620	59.0	51.6	298	59	NNW	7.2	Cl.-Cu.	NNW	5		Disc of the sun increasing continually.
2-20	25.620	59.2	51.6	292	58	NNW	16.8	Cl.-Cu.	NW	4		
2-25	25.620	60.5	51.6	281	53	NNW	12.0	Cu.	NW	3		
2-30	25.620	60.7	51.0	267	50	NNW	4.8	Cu.	NW	2		
2-35	25.620	60.7	50.8	264	49	NNW	4.8	Cu.	NNW	2		
2-40	25.620	60.7	50.4	259	47	NNW	2.4	Cu.	NNW	2		
2-45	25.620	60.9	50.6	251	47	NNW	2.4	Cu.	NNW	1		
2-50	25.620	60.9	50.8	257	49	NNW	3.6	Cu.	NNW	1		
2-55	25.620	60.9	50.8	257	49	NNW	3.6	Cu.	NNW	1		
3-0	25.620	61.1	51.0	260	49	NNW	4.8	Cu.	NNW	0		
3-15	25.620	61.1	51.2	265	49	NNW	1.2	Cu.	NNW	0		
3-25	25.620	61.1	51.8	279	52	NNW	10.8	Cu.	NNW	0		Second external contact, full sun.
3-40	25.620	60.7	50.4	248	47	NNW	2.4	Cu.	NNW	0		

Sixty-eight miles from central line of totality. Greatest observation 9.

Hour.	Barometer.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind.		Cloud proportion.	WEATHER AND OTHER REMARKS.
	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.					Direction.	Amount since preceding interval, in miles, per hour.		
Madras time.						%				
10-27	27.865	29.972	74.8	58.8	299	35	SSE	...	Nil	
10-37	27.916	30.025	75.4	59.5	311	36	S	3.6	"	
10-50	27.912	30.020	75.8	59.8	316	36	ESE	5.2	"	
10-57	27.908	30.016	76.3	60.0	314	34	SW	5.4	"	
11-7	27.910	30.009	77.8	60.8	322	34	SSW	2.4	"	
11-20	27.903	29.998	78.4	61.6	340	35	SE	3.7	"	
11-31	27.893	29.987	78.8	61.7	338	35	ESE	2.2	"	
11-43	27.887	29.977	80.8	62.7	345	33	S	2.5	"	At 11:44 A.M. the eclipse was observed to commence in the SSW.
11-56 P.M.	27.877	29.955	81.9	62.8	336	31	SE	3.2	"	
0-4	27.878	29.956	81.9	62.8	336	31	W	0	"	
0-14	27.876	29.952	82.5	63.8	362	33	SW	0.6	"	
0-21	27.876	29.955	82.1	62.7	330	30	S	0.9	"	
0-30	27.868	29.943	82.8	63.4	344	31	SE	2.7	"	
0-36	27.861	29.938	82.1	62.7	330	30	ENE	8.0	"	0-32 P.M. A small cloud crossing the sun for no seconds.
0-47	27.853	29.931	81.8	62.1	315	29	NE	1.6	"	
0-58	27.853	29.935	80.7	61.7	315	30	E	10.9	"	0-57 P.M. Temperature decreasing.
1-20	27.846	29.937	78.3	60.5	309	33	ESE	4.1	"	1-3 P.M. The sun could be seen easily with naked eye, its colour changed to darkish yellow. 1-12 P.M. A. S. clouds were visible between East and West.
1-31	27.844	29.936	78.1	60.5	311	33	E	6.0	"	1-12 P.M. The sun easily visible by naked eyes; its colour was pale whitish but bright, with one darkish spot on the disc. It looked just like early morning.
1-40	27.840	29.929	78.9	60.7	308	32	ESE	4.7	"	1-18 P.M. The daylight was insufficient for reading.
1-51	27.836	29.924	79.0	60.9	312	32	E	4.4	"	1-19 P.M. The total disc obscured was nine-tenths.
2-3	27.826	29.904	80.9	61.7	314	30	NE	7.0	"	2-04 P.M. The sun could hardly be seen with naked eyes.
2-20	27.819	29.897	81.2	61.8	312	30	ENE	4.6	"	
2-32	27.825	29.897	82.8	63.0	331	30	ENE	7.0	"	
2-50	27.819	29.889	83.0	63.3	338	30	E	5.0	"	2-41 P.M. The clear sun was visible.
3-9	27.817	29.885	83.7	63.6	340	30	ENE	8.8	"	
3-27	27.819	29.888	83.5	63.4	335	29	SE	4.0	"	
3-42	27.816	29.886	83.1	63.3	337	30	E	5.2	"	
4-1	27.820	29.890	83.1	63.1	329	29	NE	5.1	"	
4-22	27.826	29.896	82.9	62.9	327	29	NE	3.7	"	

Note.—The observation of the meteorological instruments, excepting barometer, were taken three or four minutes later the time entered in column of "Hour," and those of anemometer and wind vane, eight minutes later.

No 19 Lat 21° 24' N.

CHIKALDA.

Long 77° 22 E

Seventy-one miles from central line of totality. Greatest obscuration 9.

Hour	Baro- meter.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure	Relative humid- ity	Wind		Cloud propor- tion	Proport on of eclipse, totality to	WEATHER AND OTHER REMARKS.
						Direction	Amount since pre- ceding interval, in miles per hour			
A. M.					%					
10-26	26.480	72.9	52.7	168	21	Calm		Nil		Clear sky, weather fine
10-41	482	72.5	52.8	174	22	Calm	1.6	"		Ditto ditto
10-56	482	73.5	53.4	179	21	Calm	2.0	"		Ditto ditto.
11-11	479	73.9	54.0	189	22	Calm	2.0	"		Ditto ditto.
11-26	481	75.1	54.4	187	21	Calm	1.2	"		Ditto ditto
11-41	474	74.9	53.4	163	18	Calm	3.2	"		Ditto ditto
11-56	471	75.5	54.0	171	19	Calm	3.6	"		Ditto ditto Eclipse commenced at 1 P. M.
P. M.										
0-11	462	75.5	54.0	171	19	Calm	2.0	"	1	Ditto weather fine
0-26	459	75.9	54.8	188	21	Calm	2.0	"	2	Ditto ditto
0-41	448	75.9	55.0	192	21	Calm	2.4	"	3	Ditto ditto
1-0-56	446	75.1	54.4	187	21	Calm	2.4	"	4	Slightly dusky sky, ditto
1-11	439	74.6	53.8	175	20	Calm	2.4	"	5	" ditto and cool breeze
1-26	436	73.5	53.2	174	20	Calm	3.2	"	6	Ditto ditto ditto
1-41	436	71.5	52.8	186	24	Calm	3.2	"	9	Ditto ditto ditto.
1-56	426	68.9	51.8	190	27	Calm	3.2	"		Clear sky, weather fine
2-11	420	69.9	52.4	194	26	Calm	2.6	"		Ditto ditto
2-26	421	71.1	52.7	187	23	Calm	3.4	"		Ditto ditto
2-41	419	71.9	53.2	192	24	Calm	4.0	"		Ditto ditto.
2-56	418	72.9	53.8	196	24	Calm	2.4	"		Ditto ditto
3-11	421	74.1	54.4	198	23	Calm	2.0	"		Ditto ditto
3-26	417	74.5	54.8	205	24	Calm	1.6	"		Ditto ditto
3-41	414	73.9	55.0	215	25	Calm	3.6	"		Ditto ditto
3-56	412	74.5	55.2	215	24	Calm	3.2	"		Ditto ditto.
4-11	410	74.9	55.4	216	24	Calm	1.6	"		Ditto ditto

No. 20. Lat. $24^{\circ} 34' N$.

SUTNA.

Long. $80^{\circ} 52' E$.

Seventy-two miles from central line of totality. Greatest obscuration 9.

Hour.	Barometer.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind.		Cloud proportion.	Proportion of eclipse, totality %.	Weather and other remarks.
	Madras time.	Corrected and reduced to 32° F.					Direction.	Amount since preceding interval, in miles, per hour.			
A.M.						%					
9-57	29.021	30.053	70.9	54.3	219	30	NW	...	Nil		
10-12	023	052	71.9	54.6	220	28	WNW	5.2	"		
10-27	023	050	72.9	55.3	222	28	WNW	4.8	"		
10-42	018	045	73.3	55.1	211	26	N W	5.6	"		
10-57	008	032	74.6	55.5	206	25	NW	5.6	"		Fine clear weather.
11-12	008	029	76.1	56.3	210	23	NW	7.2	"		
11-27	28.999	020	76.1	56.5	216	24	N W	6.8	"		
11-42	994	013	77.1	56.8	212	22	NW	6.8	"		
11-57	987	005	77.7	56.9	209	21	WNW	5.6	"		
P.M.											
0-12	982	29.936	78.9	57.3	204	21	NW	6.4	"		
0-27	978	991	79.3	57.3	199	20	NW	6.4	" 1		Eclipse commenced from the west.
0-42	963	976	79.1	56.8	187	16	NW	12.8	" 2		
0-57	969	983	78.6	56.3	179	16	W	8.4	" 4		
1-7	959	974	78.1	56.3	185	19	W	...	" 6		Daylight slightly diminished.
1-17	953	969	77.6	57.3	220	23	W	...	" 7		Daylight pale, atmosphere cool and gloomy, Sun's heat was as mild as it seems at about 5-15 P.M. Surrounding objects looked as if in haze.
1-22	945	962	77.1	56.3	197	21	NW	4.1	" 8		
1-32	942	963	75.1	55.3	194	22	W	...	" 8		
1-42	938	959	75.1	55.3	194	22		2.7	" 9		
1-52	936	959	74.1	56.3	234	28	W	3.0	" 8		
1-57	938	961	74.1	56.3	234	28	W	...	" 7		
2-12	928	947	75.9	56.3	213	24	W	...	" 4		
2-27	934	950	77.1	56.8	212	22	NW	5.3	" 3		
2-42	930	944	78.1	57.3	214	22	N W	10.4	" 2		The moon gradually passed across the sun's disc to the south-east direction.
2-57	933	947	78.3	57.3	211	22	NW	...	" 1		Eclipse ended.
3-27	937	950	79.1	57.3	201	20	NW	10.6	"		
3-57	943	956	79.1	57.1	196	19	NW	5.6	"		

No 21. Lat 25° 26' N.

ALLAHABAD

Long 81° 52' E

Seventy-five miles from central line of totality Greatest obscuration 9

Hour.	Barometer.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind		Cloud proportion.	Proportion of eclipse, total to 10.	Weather and other remarks.
	Madras time	Corrected and reduced to 32° F	Reduced to sea level and constant gravity				Direction	Amount since previous interval in miles per hour			
A M	"	"	"	"	"	%					
9 53	29 759	30 035	69 1	56 1	280	39	WNW		Nrl		
10 8	761	036	69 9	55 3	246	34	WNW	11 6	"		
10 23	763	037	70 9	56 1	256	34	WNW	11 2	"		
10 38	758	032	72 1	57 1	269	34	WNW	10 4	"		
10 53	757	031	72 1	57 1	269	34	WNW	9 2	"		
11 8	748	022	73 8	57 5	259	31	W	10 8	"		
11 23	739	012	75 4	57 1	252	31	WNW	10 8	"		
11 38	737	008	75 2	58 1	259	30	WNW	10 4	"		
11 53	723	29 994	76 0	58 8	270	30	WNW	12 0	"		
P M											
0 8	711	981	76 7	59 3	273	29	W	12 4	"		
0 23	701	973	77 7	60 0	284	30	WNW	13 2	"		
0 38	701	970	77 6	59 9	280	29	WSW	10 4	"		Sky assumed somewhat l and huc
0 43	"	"	"	"	"	"	"	"	"	2	Sky more l and
0 53	695	964	77 8	58 9	248	26	WNW	10 8	"	3	Sky getting more and more dull
0 58	697	966	77 2	59 1	263	28	WNW	14 4	"	4	Ditto ditto and dusky
1 3	697	966	77 2	58 8	252	27	WNW	10 8	"	4	Ditto ditto ditto
1 8	695	964	77 2	59 1	263	28	WNW	10 6	"	5	Sky getting more and more l and purple
1 13	695	965	76 7	59 1	269	29	WNW	14 4	"	6	Ditto the landscape somewhat gloomy as under thick cloud
1 18	693	964	76 2	59 1	276	31	WNW	7 2	"	7	Sky light purple Yellow corona round obscured edge of the sun due
1 23	691	962	76 0	59 1	277	31	WNW	9 6	"	8	The same, gloominess deepening Corona visible
1 28	689	960	75 2	59 3	293	33	WNW	6 0	"	8	Ditto ditto
1 33	690	961	74 7	58 8	285	33	WNW	6 0	"	8	The whole landscape wore a strange aspect as if moonlight night approaching, birds chirping and going to roost. A dark strip of shade cast over the unobscured portion of sun The warmth of the sun scarcely felt.
1 38	688	960	74 2	58 1	272	32	WNW	9 6	"	9	The faces of objects at distance somewhat indistinct. A strange and appearance tall round The warmth of the sun scarcely felt.
1 43	688	961	73 7	58 1	279	33	WNW	7 2	"	9	Landscape growing more and more gloomy, sky l and The warmth not felt.
1 48	686	958	73 2	58 1	285	35	WNW	8 4	"	9	(The maximum obscuration on occurred between 1 48 and 1 50 P M)
1 53	685	957	73 2	57 9	280	34	WNW	4 8	"	6	Signs of clearing appeared Cook crowed.
1 58	685	957	73 2	58 1	283	35	WNW	4 8	"	7 or 6	Sky and landscape growing brighter Colour of sky light purple. A little warmth felt
2 3	681	953	73 8	58 1	279	33	WNW	6 0	"	5	Sky and landscape growing brighter Colour of sky light purple.
2 8	681	952	74 2	59 1	302	36	WNW	6 0	"	5	The sky rapidly grew brighter.
2 13	677	949	74 2	58 9	297	35	W	4 8	"	5	Ditto ditto
2 18	677	948	74 8	59 6	309	36	W	4 8	"	3	Ditto ditto
2 23	675	946	75 2	60 1	320	37	WNW	4 8	"	2	Ditto ditto
2 28	675	946	75 2	60 1	320	37	W	6 0	"	2	Ditto ditto
2 33	671	941	76 2	60 1	307	34	WNW	7 2	"	15	Sky bright blue with little dullness
2 38	671	941	77 0	60 1	295	31	WNW	7 2	"	1	Ditto ditto
2 43	673	943	77 2	60 9	321	34	WNW	7 2	"		Cheerful and bright appearance all round Obscuration on less than 1
2 48	671	941	77 2	60 9	321	34	WNW	7 2	"		Cheerful and bright appearance all round Sun completely cleared at 2 50 P M
2 53	671	940	78 2	60 7	299	31	WNW	7 2	"		Normal condition as before the eclipse set in
3 8	667	936	78 4	59 5	271	27	WNW	10 8	"		Clear and clear sky
3 13	667	935	78 9	60 1	271	27	WNW	7 2	"		
3 18	668	937	78 4	60 1	278	28	WNW	12 8	"		
3 23	675	944	78 3	60 1	279	29	WNW	8 0	"		

Seventy-five miles from central line of totality. Greatest obscuration 9.

Seventy-five miles from central line of locality.											
Hour.	Barometer.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind force.	Cloud proportion.	Proportion of eclipse, totality to.	Solar radiation thermometer corrected.	Weather and other remarks.
Madras time.	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.									
A.M.	"	"	"	"	"	%				"	
10-24	28'217	30'034	72'2	53'6	182	24	Gentle.	Nil	...	94'5	The eclipse commenced at 11-47 A.M. Sun's disc seemed to be obscured by the shadow in the proportion of 9 to 10 at 1-39 P.M., when the light likened to that of the moon shine. The surrounding parts looked dim. The shadow covering the sun was not exactly dark. Stars not visible. Sky clear.
10-39	214	022	74'5	54'8	187	22	Do.	"	...	121'3	
10-54	209	011	76'0	55'3	183	20	Do.	"	...	129'3	
11-9	205	004	77'2	56'0	189	20	Do.	"	...	132'8	
11-24	201	29'994	78'5	56'8	194	20	Do.	"	...	134'7	
11-39	198	987	79'7	57'3	194	18	Do.	"	...	137'3	
11-54	194	978	81'2	58'2	201	19	Do.	"	2	134'3	
P.M.											
0-9	182	959	82'5	57'8	175	16	Light.	"	3	128'5	
0-24	180	964	80'7	57'6	191	19	Do.	"	4	118'8	
0-39	171	955	80'5	57'4	188	18	Do.	"	5	109'3	
0-54	165	940	80'4	57'3	187	18	Do.	"	7	99'7	
1-9	153	945	78'7	56'1	173	17	Do.	"	8	88'5	
1-19	...	...	...	...	...	...	...	...	9	...	
1-24	144	934	78'2	56'0	177	18	Light.	Nil	8	86'3	
1-39	137	924	78'8	56'3	176	17	Do.	"	6	95'7	
1-54	133	918	79'7	56'6	174	18	Do.	"	4	107'5	
2-9	128	907	81'1	56'9	165	16	Do.	"	3	122'8	
2-24	122	899	81'8	57'2	166	15	Do.	"	1	130'3	
2-39	119	893	82'7	57'6	166	15	Moderate.	"	1	137'5	Eclipse terminated at 2-41 P.M.
2-54	116	884	83'7	57'8	158	14	Do.	"	...	136'3	
3-9	118	888	83'2	58'0	172	15	Do.	"	...	135'9	
3-24	119	888	83'5	58'5	182	16	Do.	"	...	134'5	
3-39	119	885	84'2	59'2	195	16	Do.	"	...	134'0	
3-54	121	886	84'7	59'3	190	15	Do.	"	...	132'5	
4-9	122	890	84'1	59'1	192	16	Do.	"	...	130'8	
4-24	123	890	83'9	59'3	202	17	Do.	"	...	125'8	

No. 23. Lat. 22° 28' N.

PACHMARHI.

Long. 78° 28' E.

Seventy-seven miles from central line of totality. Greatest obscuration 9.

Hour.	Barometer.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind.		Cloud proportion.	Proportion of eclipse, totality to.	Weather and other remarks.
						Direction.	Amount since preceding interval, in miles per hour.			
A.M.										
10-7	59.8	69.0	52.4	205	29	ESE	...	Nil	...	Fine clear weather.
10-22	60.2	69.2	53.1	221	31	Calm	3.2	"	...	
10-37	60.0	70.0	53.6	225	31	Calm	2.4	"	...	
10-52	59.9	70.0	53.2	213	29	Calm	2.4	"	...	
11-7	59.1	70.2	53.8	228	31	ENE	0.4	"	...	Ditto.
11-22	58.7	71.2	54.0	221	29	Calm	2.8	"	...	
11-37	58.7	71.5	55.0	244	32	Calm	0.8	"	...	
11-52	58.6	72.8	54.2	208	25	NNE	3.2	"	...	Ditto.
P.M.										
0-7	58.1	73.5	54.4	205	24	NNE	4.0	"	...	Eclipse commenced.
0-12	57.7	72.5	54.2	211	26	Calm	0	"	...	
0-17	57.3	72.1	53.7	203	25	NNE	2.4	"	1	
0-22	57.3	72.5	54.4	217	27	Calm	3.6	"	2	
0-27	57.1	72.1	53.3	199	23	Calm	1.2	"	2	} Little hint of white in the sun.
0-32	56.9	72.8	54.4	213	25	WNW	4.8	"	2	
0-37	56.7	72.8	54.7	222	28	NNE	2.4	"	3	} Ditto.
0-42	56.6	72.2	54.7	218	29	Calm	2.4	"	3	
0-47	56.6	72.4	54.7	226	29	Calm	0	"	4	} Sun's lustre decreasing.
0-52	56.6	72.0	54.0	212	27	Calm	1.2	"	4	
0-57	56.3	72.0	55.0	238	25	Calm	0	"	4	
1-2	56.1	71.9	54.5	226	29	NNW	3.6	"	5	} Sun yellowish.
1-7	55.3	70.8	54.0	225	30	Calm	2.4	"	5	
1-12	55.3	70.5	54.0	229	31	Calm	4.8	"	6	
1-17	55.3	70.0	54.0	235	32	Calm	2.4	"	6	
1-22	55.3	69.7	53.7	231	32	Calm	1.2	"	7	
1-27	54.9	69.5	53.0	237	35	Calm	0	"	8	
1-32	54.7	69.2	53.0	241	36	Calm	0	"	9	
1-37	54.7	66.0	52.7	246	39	Calm	0	"	...	Greatest obscuration. Light was necessary to read barometer in the room. Dull white star to the SW of the sun.
1-42	54.5	66.0	52.7	246	39	Calm	0	"	...	Obscuration decreased. Barometer read without help of light.
1-47	54.5	66.0	52.7	246	39	Calm	0	"	8	Lustre increased.
1-52	54.3	66.1	52.5	212	38	Calm	0	"	7	Ditto.
1-57	54.3	67.0	52.4	228	34	Calm	1.2	"	6	Ditto.
2-2	54.5	67.2	52.7	233	35	Calm	0	"	5	Ditto.
2-7	54.5	68.2	53.2	234	34	Calm	2.4	"	4	Yellowish tint disappeared.
2-12	53.7	68.2	53.0	229	33	NNW	2.4	"	3	
2-17	53.7	69.0	53.0	270	31	Calm	2.4	"	3	
2-22	53.7	69.2	53.4	228	31	WNW	3.6	"	2	
2-27	53.7	69.9	53.4	220	30	Calm	3.6	"	2	} Sun assumed original colour.
2-32	54.1	70.0	53.4	219	30	Calm	2.4	"	2	
2-37	54.1	71.0	54.2	228	30	Calm	2.4	"	1	
2-42	54.5	71.0	54.4	234	31	WNW	4.8	"	1	} Sun clearing gradually.
2-47	54.9	70.8	53.4	210	27	Calm	1.2	"	1	
2-52	54.1	71.0	53.4	208	27	Calm	1.2	"	...	Eclipse ended.
3-7	54.5	71.8	54.2	219	28	Calm	0.8	"	...	
3-22	55.1	71.8	54.4	224	28	Calm	1.6	"	...	
3-37	55.1	72.2	54.8	231	29	Calm	0.4	"	...	
3-52	55.1	72.0	54.8	234	30	Calm	0	"	...	
4-7	55.1	73.0	55.2	232	28	Calm	0	"	...	

Seventy-nine miles from central line of totality. Greatest obscuration 9.

Hour.	Barometer.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind.		Cloud proportion.	Proportion of eclipse, totality to.	Weather and other remarks.
	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.					Direction.	Amount since preceding interval, in miles per hour.			
Madras time.						%					
A.M.											
10-16	27.920	30.000	78.4	56.4	184	18	SE	...	Nil	...	Sky blue.
10-31	918	29.995	79.1	56.1	167	17	SE	4.4	"	...	Do.
10-46	919	996	79.6	56.5	173	18	SSR	4.4	"	...	Do.
11-1	918	992	80.1	56.7	171	17	SSW	3.6	"	...	Do.
11-16	913	983	81.1	56.1	143	23	ENE	4.4	"	...	Do.
11-31	906	970	82.2	57.7	175	16	E	3.2	"	...	Do.
11-46	898	967	81.1	56.6	157	15	NNE	5.2	"	...	Do.
11-58	...	...	...	...	...	...	...	...	"	...	Do. Obscuration commenced.
P.M.											
0-1	892	956	81.7	56.7	152	14	NW	4.0	"	...	Do.
0-7	888	949	82.4	57.5	167	15	NNW	4.0	"	6.5	Do.
0-12	890	952	82.3	57.7	174	16	NW	2.4	"	1	Do.
0-16	888	951	81.9	56.6	147	13	NNW	6.0	"	1.5	Do.
0-21	886	951	81.6	57.2	167	15	Calm	1.2	"	2	Do.
0-26	886	950	81.7	57.3	182	17	NNW	2.4	"	2.5	Do.
0-31	884	947	82.0	57.3	166	15	N	7.2	"	3	Do. Horizon dull to NE and W.
0-36	880	943	82.0	57.7	177	16	N	3.6	"	3.5	Do. Ditto.
0-41	878	942	81.6	56.7	152	14	NE	6.0	"	4	Do. Ditto. Daylight dimming.
0-46	874	938	81.5	57.2	168	15	NNW	6.0	"	4.5	Do. Horizon to NE and W. dull, day light dimming.
0-51	872	937	81.3	57.7	157	15	N	4.8	"	5	Usual blue colour of sky changing into dark blue.
0-56	870	937	80.7	57.0	173	17	N	6.0	"	5.5	Horizon to NE and W. dull (as if foggy or misty.)
1-1	866	933	80.6	56.9	171	17	NNE	6.0	"	6	Ditto ditto.
1-6	865	934	80.0	55.9	150	15	NNW	6.0	"	6.5	Ditto ditto.
1-11	864	935	79.5	56.0	159	16	NNW	4.8	"	7	Ditto ditto. colour of sky blackish.
1-16	862	934	79.3	55.7	153	16	N	6.0	"	7.5	Ditto ditto.
1-22	860	934	78.7	55.7	161	17	N	4.0	"	8.2	A star (probably Venus) observed to the W of the sun with the naked eye.
1-28	859	938	77.5	54.9	153	16	NNE	6.0	"	9	Star visible, colour of the sky dark, quills wan and sinister light on all sides, colour of the disc of the sun reddish; pale and brown rays bursting out from the obscured disc. Horizon dull to NW and E.
1-36	856	930	76.7	54.7	158	17	NNE	5.3	"	8	Ditto ditto.
1-46	853	933	77.3	55.0	158	16	N	5.4	"	6	Sky dark; slightly changed into bright and yellow colour; sun's disc reddish throwing bright yellowish rays; star visible. Horizon still dull to NE and W.
1-52	853	930	78.1	55.0	149	15	NNE	3.0	"	5	Sky blackish or dark blue; light bright yellowish and pale. Horizon dull.
1-57	849	923	78.5	55.0	143	14	NNE	6.0	"	4.3	Ditto light pale bright ditto. Sky blue, daylight bright (white) ditto.
2-2	846	920	78.5	55.0	143	14	NNE	7.2	"	3.5	Ditto ditto ditto.
2-6	844	917	78.7	55.1	144	14	NNE	9.0	"	3	Sky blue.
2-16	844	916	79.0	55.0	137	14	NNE	7.8	"	1.5	Do.
2-21	842	911	79.8	55.7	147	15	NNE	8.4	"	1	Do.
2-26	841	907	80.4	56.1	151	14	NNE	6.0	"	0.6	Do.
2-31	840	908	79.9	55.7	146	15	NNE	6.0	"	0.3	Do.
2-36	842	908	80.5	56.4	158	15	NE	8.4	"	0.2	Do.
2-41	842	908	80.5	56.4	158	15	NNE	6.0	"	...	Do.
2-46	842	908	80.5	55.9	144	14	NNE	6.0	"	...	Do. Eclipse terminated at 2-51 P.M.
3-1	840	905	80.8	56.0	143	13	ENE	6.8	"	...	Do.
3-16	840	900	81.9	57.0	158	14	E	4.0	"	...	Do.
3-31	841	901	82.1	57.0	156	14	E	6.4	"	...	Do.
3-46	843	903	82.0	57.1	160	14	NE	3.2	"	...	Do.
4-1	845	903	82.4	57.2	158	14	E	4.4	"	...	Do.
4-16	848	907	82.3	56.7	145	13	ENE	4.0	"	...	Do.

No. 25. Lat. $24^{\circ} 42' N$.

GAYA.

Long. $85^{\circ} 2' E$.

Eighty-six miles from central line of totality. Greatest obscuration 9.

HOURS.	BAROMETER.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	WIND		Cloud proportion.	Proportion of eclipse, totality in.	WEATHER AND OTHER REMARKS.
	Madras time.	Corrected and reduced to $32^{\circ} F$.	Reduced to sea-level and constant gravity.				Direction.	Amount since preceding interval, in miles per hour.			
A.M.						%					
10-0	59678	30.019	72.6	59.0	320	41	SW	...	N1	...	Fine clear weather from 10 A.M. to 0-25 P.M.
10-5	597	30.017	73.2	59.1	316	39	...	...	...	...
10-10	5970	30.010	73.6	59.6	317	40	...	...	...	...
10-15	5982	30.021	74.2	59.7	320	38	SW	20.0	...	...
10-20	5983	30.021	74.5	59.8	321	38	...	...	...	...
10-25	5983	30.022	74.6	60.0	325	40	...	...	...	...
10-30	5982	30.020	75.0	60.2	326	37	SW	3.2	...	...
10-35	5983	30.021	75.3	60.3	325	37	...	...	...	...
10-40	5984	30.022	75.3	60.4	327	37	...	...	...	...
10-45	5984	30.022	75.5	60.6	333	38	SW	3.6	...	...
10-50	5985	30.023	75.5	60.6	333	38	...	...	...	...
10-55	5985	30.023	75.6	60.6	331	38	...	...	...	...
11-0	5984	30.022	76.0	60.7	329	37	W	5.2	Dim weather from 0-30 P.M. to 1-45 P.M.
11-5	5980	30.017	75.0	60.7	329	37	...	...	...	...
11-10	5975	30.012	76.2	61.2	338	38	...	...	...	...
11-15	5967	30.004	77.2	60.8	317	34	W	2.0	...	...
11-20	5964	30.001	77.4	62.2	354	38	...	...	...	...
11-25	5960	29.992	78.2	61.6	329	34	...	...	...	...
11-30	5953	29.989	78.6	61.7	334	33	W	6.4	...	...
11-35	5948	29.984	78.8	61.4	314	31	...	...	...	...
11-40	5942	29.978	78.6	61.3	313	31	...	...	...	...
11-45	5938	29.974	78.8	61.2	308	31	W	4.4	...	...
11-50	5936	29.972	78.7	61.1	306	31	...	...	...	...
11-55	5931	29.970	78.7	61.0	303	31	...	...	...	...
12-0	5933	29.969	78.6	60.8	298	30	SW	3.2	...	...
P.M.											
0-5	5930	29.966	78.6	60.6	292	30	Darkish and unusual weather. Do.
0-10	5929	29.965	78.6	60.5	288	30	...	...	...	...
0-15	5928	29.964	78.7	60.4	284	28	SW	4.8	...	...
0-20	5928	29.964	78.8	61.2	308	31	...	...	...	...
0-25	5929	29.965	78.6	61.0	285	28	SW	4.0	...	...
0-30	5924	29.959	79.6	60.8	285	28	...	...	...	...
0-35	5918	29.953	79.6	61.0	290	29	...	...	...	...
0-40	5916	29.950	79.6	61.4	293	30	...	...	...	...
0-45	5909	29.943	79.6	61.4	293	30	W	4.8	...	...
0-50	5901	29.930	79.7	61.6	299	31	...	...	...	...
0-55	5909	29.933	79.8	61.7	311	31	...	...	...	...
1-0	5908	29.932	79.6	61.4	303	30	SW	3.2	Clear weather. Do.
1-5	5907	29.931	79.6	61.4	303	30	...	...	...	...
1-10	5905	29.929	79.6	61.4	303	30	...	...	...	...
1-15	5906	29.930	79.6	61.4	303	30	W	5.2	...	...
1-20	5905	29.929	79.6	61.4	303	30	...	...	...	...
1-25	5904	29.929	78.2	61.2	311	32	...	...	...	...
1-30	5904	29.929	78.0	61.0	311	32	W	23.6	...	...
1-35	5902	29.927	77.8	60.7	306	32	...	...	...	...
1-40	5902	29.927	77.8	60.6	301	32	...	...	...	...
1-45	5900	29.925	77.8	60.5	298	31	W	6.4	...	...
1-50	5894	29.920	77.7	60.4	296	30	...	...	...	...
1-55	5891	29.919	77.8	60.2	289	30	...	...	...	...
2-0	5898	29.913	77.8	60.1	285	30	W	1.6	Fine clear weather from 2-55 P.M. to 4 P.M.
2-5	5894	29.909	77.6	60.0	285	30	...	...	...	...
2-10	5893	29.909	77.4	59.8	281	30	...	...	...	...
2-15	5888	29.904	77.0	59.7	282	30	W	3.6	...	...
2-20	5886	29.903	76.8	59.7	282	31	...	...	...	...
2-25	5884	29.900	76.6	59.0	285	31	...	...	...	...
2-30	5882	29.898	76.6	59.6	287	31	W	2.8	...	...
2-35	5860	29.886	76.2	59.2	278	31	...	...	...	...
2-40	5860	29.886	76.2	59.0	272	31	...	...	...	...
2-45	5858	29.884	76.1	58.8	270	31	W	2.4	...	...
2-50	5858	29.885	76.1	58.8	267	30	...	...	...	...
2-55	5857	29.884	76.0	58.8	269	31	...	...	...	...
3-0	5857	29.884	75.9	58.7	267	31	W	4.4	
3-5	5856	29.883	75.0	58.7	266	31	...	...	...	...
3-10	5852	29.889	75.8	58.6	268	31	...	...	...	...
3-15	5854	29.892	76.8	58.7	266	28	W	2.8	...	...
3-20	5854	29.891	76.8	59.5	280	30	...	...	...	...
3-25	5850	29.886	76.8	59.6	282	31	...	...	...	...
3-30	5850	29.887	76.9	59.6	282	31	...	...	...	...
3-35	5851	29.897	77.0	60.2	281	30	W	4.0	...	...
3-40	5852	29.898	77.0	60.2	280	32	...	...	...	...
3-45	5851	29.890	77.2	60.3	290	32	...	...	...	...
3-50	5853	29.899	77.2	60.2	297	31	W	3.6	...	...
3-55	5853	29.899	77.3	60.3	298	31	...	...	...	...
4-0	5853	29.899	77.4	60.3	297	31	W	5.2	...	...

No. 26. Lat. 15° 52'N.

BELGAUM.

Long. 74° 42'E.

Ninety-three miles from central line of totality. Greatest obscuration 9'5.

Hour	Barometer.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind.		Cloud proportion.	Proportion of eclipse, totality 10.	Weather and other remarks.
	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.					Direction.	Amount since preceding interval, in miles per hour.			
Madras time.	"	"	"	"	"	%					
A.M.											
10-22	27.495	29.963	73.8	55.9	226	27	ESE	2000	Nil	...	10-23 A.M. to 4-22 P.M. Fine weather and blue sky.
10-37	496	959	74.8	56.6	235	23	ESE	220	"	...	
10-52	492	951	75.3	56.7	229	26	ESE	220	"	...	
11-7	489	947	75.8	56.9	230	26	ESE	220	"	...	
11-22	483	935	76.6	56.7	215	23	ESE	220	"	...	
11-37	475	922	77.3	56.6	201	21	ESE	180	"	...	Eclipse commenced from SSW. During eclipse obscured portion of sun's disc appeared quite dark and the rest white. Eclipse cleared away from SSE.
11-40	475	922	77.5	56.7	205	21	ESE	180	"	...	
11-45	473	920	77.5	56.7	205	21	ESE	180	"	0.5	
11-50	469	910	78.5	56.7	195	19	ESE	180	"	1	
11-53	465	904	78.7	56.7	189	19	E	180	"	2	
11-58	465	906	78.5	56.9	197	20	ESE	180	"	2	
P.M.											
0-8	461	901	78.6	56.7	190	19	ESE	180	"	4	
0-11	463	905	78.1	56.6	191	20	ESE	180	"	4	
0-17	463	907	77.6	56.2	186	19	ESE	180	"	4	Light little pale. Cold breeze as to early morning.
0-22	461	906	77.3	55.7	176	18	ESE	180	"	4	
0-24	461	907	77.4	55.8	130	19	ESE	200	"	5	Ditto.
0-27	461	905	77.7	56.4	143	20	ESE	200	"	5	Ditto.
0-32	459	903	77.6	56.4	191	19	ESE	200	"	5	Ditto.
0-35	459	904	77.5	56.2	190	19	ESE	200	"	5	Ditto.
0-38	457	902	77.2	56.1	189	20	ESE	200	"	5	Ditto.
0-40	457	905	76.9	56.1	193	21	ESE	200	"	5	Ditto.
0-42	459	908	76.8	56.2	198	21	ESE	200	"	5	Ditto.
0-45	455	904	76.8	56.2	198	21	ESE	200	"	6	Light pale. Cold breeze as in early morning.
0-49	455	904	76.3	56.2	198	21	ESE	200	"	6	Ditto.
0-52	453	902	76.8	56.2	185	20	ESE	120	"	7	Ditto.
0-55	451	900	76.7	55.7	180	19	ESE	120	"	8	Ditto.
0-58	...	...	76.4	55.4	191	21	ESE	120	"	8	Ditto.
1-2	449	901	75.9	55.7	192	21	ESE	120	"	8	Ditto.
1-5	449	903	75.3	55.3	190	21	ESE	120	"	9	Ditto.
1-10	449	905	75.1	54.7	177	20	ESE	120	"	9	Ditto.
1-11	...	...	75.0	54.7	179	20	ESE	120	"	9	Ditto.
1-12	445	902	74.9	54.7	180	21	ESE	120	"	9	Light very pale. Grass and trees in light appeared quite pale.
1-15	441	901	74.4	54.7	186	22	ESE	120	"	9.5	Ditto.
1-19	437	897	74.1	54.6	187	22	ESE	120	"	9.5	Ditto.
1-22	431	893	73.8	54.4	185	21	ESE	120	"	9.5	Ditto.
1-29	429	890	73.7	54.7	191	24	ESE	140	"	9	Light insufficient to read with.
1-34	429	890	73.7	55.0	203	25	ESE	140	"	8	
1-37	429	890	73.8	55.2	207	25	ESE	140	"	7	
1-40	429	888	74.1	55.7	217	26	ESE	140	"	7	
1-45	425	884	74.2	55.7	216	26	ESE	140	"	6.5	
1-49	425	881	74.7	55.7	210	25	ESE	140	"	6	
1-54	425	881	74.8	55.8	212	25	ESE	160	"	4	
1-57	424	879	74.9	56.2	222	26	ESE	160	"	3	
1-59	424	875	75.7	56.4	218	24	ESE	160	"	3	
2-2	422	873	75.7	56.2	212	23	ESE	160	"	2	
2-5	422	873	75.8	56.2	211	23	ESE	160	"	2	
2-7	422	871	76.1	56.1	204	22	ESE	160	"	1	
2-10	420	867	76.6	55.9	192	21	ESE	160	"	1	
2-15	421	867	76.8	56.2	198	21	ESE	160	"	1	
2-19	421	864	77.3	56.2	192	20	ESE	160	"	1	
2-22	421	862	77.7	56.2	187	19	ESE	160	"	0.5	
2-27	421	862	77.7	55.7	173	18	ESE	200	"	0.5	
2-29	...	...	77.8	55.2	158	16	ESE	200	"	0.5	
2-32	420	859	78.2	55.4	159	15	ESE	200	"	0.5	
2-37	418	854	78.7	56.2	175	17	ESE	200	"	0.5	
2-51	417	853	78.8	55.7	159	17	ESE	200	"	...	
3-7	417	853	78.8	55.3	148	14	ENE	140	"	...	
3-22	417	851	79.2	55.4	146	14	ENE	200	"	...	
3-37	417	849	79.3	55.7	151	15	ENE	200	"	...	
3-52	419	854	79.0	55.5	151	16	ENE	200	"	...	
4-7	419	853	79.2	55.7	154	16	ENE	160	"	...	
4-22	417	848	79.7	56.2	162	16	ENE	160	"	...	

Ninety-five miles from central line of totality Greatest obscuration 9

HOUR	BAROMETER	Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure	Relative humidity	WIND		CLOUD			Proportion of obscuration	WEATHER AND OTHER REMARKS
						Direction	Amount since preceding interval in miles per hour	Proportion	Kind	Direction of motion		
AM												
9-28	33.020	46.4	38.1	145	45	ENE		4	Cu Cu Ci	S		Cloud greatest n SW Dull and hazy on far hills
9-43	026	46.5	38.1	144	45	ESE	4.0	4	Cu	SE		Ditto ditto
9-58	030	46.6	38.1	143	44	ENE	4.4		Cu A S	S		Cloud greatest in SW Colour light pink on far hills in distance
10-13	032	47.4	37.7	127	39	E	3.6		Cu	S		Cloudy and hazy; clouds turning pink when approaching noon
10-28	030	45.6	41.1	212	69	NNE	2.4	5	Cu	S		Sill cloudy and hazy
10-43	016	45.2	40.8	210	70	NW	2.4	6	Cu S	E		Sun obscured by dark heavy clouds
10-58	010	45.4	40.3	199	65	NW	1.2	7	N Ci	N		Ditto Clouds on distant hills
11-13	006	44.4	40.3	213	74	NW	1.2	7	N, Ci	N		Ditto High hills visible
11-28	006	44.4	40.3	209	71	NW	2.4	7	N, Fr Cu	E		Sun re-appeared still hazy Dark mass of clouds in S
11-43	006	45.8	42.5	239	77	WNW	4.0	8	A Cu, N Ci			Sunny and hazy Clouds on distant hills
11-58	006	45.4	41.3	219	71	WNW	2.8	10	S Cu, N			Hazy sudden change in wind direction
PM												
0-13	22.996	44.2	40.9	223	76	N	2.0	10	S, Cu, N			Ditto
0-28	980	43.8	41.3	235	82	N	2.0	10	N			Sun obscured
0-43	984	43.8	42.3	235	89	N	1.6	10	N			Ugly
0-48	980	45.4	41.9	231	76	N	1.2	10	N			Do
0-53	982	45.2	41.9	233	77	WNW	2.4	10	N			Do
0-58	982	44.6	41.5	231	78	WNW	3.6	10	S Cu N			Clouds changing slowly and steadily
1-3	982	43.6	41.1	233	82	WNW	2.4	10	S Cu			1.31 P.M. Moon and sun visible over and over again with the rapid movement of clouds
1-8	968	43.6	41.1	233	82	WNW	2.4	10	S Cu			Ditto ditto
1-13	968	44.2	41.3	231	79	WNW	3.6	10	S Cu			Ugly and hazy ditto ditto
1-18	968	43.6	40.7	225	79	WNW	3.6	10	S Cu			Ditto ditto
1-23	968	43.8	40.9	227	79	WNW	2.4	10	S Cu			
1-28	968	43.2	40.7	229	82	WNW	0	10	S Cu		5	
1-33	968	43.2	40.5	225	80	WNW	1.2	10	S Cu		6	
1-38	968	42.6	40.3	228	83	WNW	2.4	10	A Cu S Cu	N	7	
1-43	970	42.4	40.3	230	84	WNW	2.4	10	A Cu, N	SIV	8	
1-48	966	42.4	40.1	225	83	WNW	0	10	A Co, N	S	9	
1-53	960	42.4	40.3	230	84	WNW	0	10	A Cu, N	S	9	
1-58	960	42.4	40.3	230	84	WNW	0	10	A Cu N		9	Sun obscured by ordinary hazy clouds greatest n SW
2-3	960	42.6	40.5	232	84	WNW	0	8	Fr Cu N	SE to W	9	Dark gloomy and hazy
2-8	960	42.6	40.5	232	84	WNW	0	8	Fr Cu, N	SE to W	8	Ditto ditto
2-13	952	43.2	40.8	231	83	WNW	0		Fr Cu, N		7	Sun obscured by ordinary hazy clouds greatest n SW
2-18	952	43.2	40.9	233	83	WNW	1.2	8	Fr Cu, N	N	5	Dark gloomy and hazy
2-23	957	43.2	40.9	233	83	WNW	3.6	8	Cu, N	N	4	Ditto ditto
2-28	952	43.2	40.9	233	83	WNW	2.4	8	Fr Cu, N	N	4	Ditto ditto
2-33	952	43.4	41.3	239	84	WNW	6.0	8	Ci S, N			Sun obscured by clouds.
2-38	952	44.0	41.5	237	82	WNW	0	9	Ci			Ditto ditto
2-43	956	43.2	41.3	241	86	NW	4.8	9	Ci, Ci S	SW	1	Ditto ditto
2-48	956	43.2	41.3	241	86	NW	2.2	8	Ci, Ci S	N		A Cu clouds from north slowly driven by winds taking place of Ci S clouds.
2-53	958	43.6	41.5	241	84	NW	0.8	8	CL			Cu below A Cu clouds in distant horizon (N)

No. 28. Lat. $19^{\circ} 56' N$.

CHANDA.

Long. $79^{\circ} 19' E$.

One hundred and four miles from central line of totality. Greatest obscuration 9.

Hour.	Barometer.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind.		Cloud proportion.	Proportion of eclipse, totality 10.	Weather and other remarks.
	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.					Direction.	Amount since preceding interval, in miles per hour.			
Madras time.						%					
A.M.											
10-4	29.477	30.082	70.2	58.1	.325	44	WNW	...	Nil	...	Sky clear and weather fine throughout, and sun bright.
10-19	.479	.082	71.6	58.5	.319	42	WNW	1.2	"	...	
10-34	.472	.073	73.2	59.2	.319	39	WNW	1.2	"	...	
10-49	.463	.061	74.6	59.7	.313	37	WNW	1.2	"	...	
11-4	.449	.045	76.1	60.2	.310	34	WNW	0.8	"	...	
11-19	.446	.040	77.6	60.2	.290	30	WNW	0.4	"	...	Obscuration commenced from WSW.
11-34	.448	.040	79.0	60.3	.275	29	WNW	0.4	"	...	
11-49	.434	.026	79.0	60.9	.297	30	WNW	0.4	"	...	
P.M.											
0-4	.431	.022	79.6	61.7	.311	31	WNW	4.8	"	0.2	
0-9	.420	.009	80.6	62.2	.314	30	...	...	"	0.5
0-14	.424	.013	80.6	62.2	.314	30	...	...	"	1
0-19	.420	.009	81.2	62.2	.308	29	Calm	0.4	"	1.5	
0-24	.420	.009	81.2	62.2	.308	29	...	...	"	2
0-29	.414	.002	81.6	62.7	.317	30	...	...	"	2.8
0-34	.410	.003	81.8	62.7	.316	30	WNW	0.4	"	3	
0-39	.410	.009	81.8	62.2	.310	29	...	...	"	3.5
0-44	.406	.004	80.8	62.2	.313	30	...	...	"	4
0-49	.406	.004	80.8	61.9	.304	29	WNW	0.4	"	5	
0-54	.404	.002	80.8	61.9	.304	29	...	...	"	6
0-59	.402	.001	80.6	62.7	.331	32	...	...	"	6.5
1-4	.400	.000	80.6	62.7	.331	32	Calm	0.4	"	7	Began to clear from WSW.
1-9	.395	.005	80.4	61.7	.302	30	...	...	"	7.5
1-14	.396	.005	80.4	61.7	.302	30	...	...	"	7.8
1-19	.394	.003	80.0	61.7	.307	30	Calm	0.8	"	8	
1-24	.392	.003	78.6	62.7	.357	36	...	...	"	8.5
1-29	.384	.005	78.6	61.7	.357	36	...	...	"	9
1-34	.386	.008	76.6	61.7	.351	33	Calm	2.0	"	8.8	
1-39	.392	.007	76.1	61.7	.358	39	...	...	"	8.5
1-44	.389	.003	76.1	61.7	.358	39	...	...	"	8
1-49	.381	.005	76.1	61.7	.358	39	Calm	2.8	"	7	
1-54	.373	.007	76.1	61.7	.358	39	...	...	"	6
1-59	.371	.003	76.1	61.7	.358	39	...	...	"	5
2-4	.375	.009	76.4	61.9	.364	40	WNW	1.2	"	4	
2-9	.377	.008	78.4	63.7	.401	41	...	...	"	3
2-14	.377	.008	78.6	63.7	.391	39	...	...	"	2
2-19	.376	.005	80.1	62.7	.337	32	WNW	1.6	"	1.5	
2-24	.368	.006	80.6	62.7	.331	32	...	...	"	1.3
2-29	.372	.000	80.8	62.7	.330	32	...	...	"	1
2-34	.374	.001	81.0	62.7	.327	31	WNW	0.4	"	0.5	
2-39	.378	.005	81.4	62.5	.314	30	...	...	"	0.3
2-44	.376	.003	81.6	62.3	.306	29	...	...	"	...
2-49	.380	.007	81.6	62.3	.306	29	WNW	0.4	"	...	
3-4	.380	.005	82.6	61.7	.271	25	N	4.4	"	...	
3-19	.373	.008	82.6	61.9	.211	25	Calm	0.4	"	...	
3-34	.375	.009	83.6	62.7	.291	26	Calm	1.6	"	...	
3-49	.377	.002	82.6	61.9	.281	25	N	2.8	"	...	
4-4	.377	.000	83.6	62.7	.291	26	N	4.0	"	...	

No 29 Lat. 22° 45' N.

HOSHANGABAD.

Long 77° 46' E.

One hundred and twelve miles from central line of totality Greatest obscuration 9

Hour	Barometer		Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure	Relative humidity	Wind			Proport on of eclipse totality to	Weather and other remarks.
	Corrected and reduced to 32° F	Reduced to sea-level and constant gravity					Directed on	Amount speed of interval in m less per hour	Cloud proportion		
A M						%					
10-10	29.079	30.081	67.9	59.7	413	60	ENE		Mil	.	Sky blue.
10-25	078	076	69.9	60.0	395	54	NE	3.6	"		Do to
10-40	074	069	71.7	61.4	417	53	NE	0.8	"		Do to
10-55	071	061	72.7	62.0	425	53	Calm	4.4	"		Do to
11-10	066	057	73.1	62.2	424	52	Calm	0.4	"		Do to
11-25	064	051	74.9	63.2	435	49	E	0.8	"	"	Do to
11-40	060	039	76.9	64.0	435	47	NE	2.4	"		Do to
11-55	045	026	78.1	65.0	456	47	NE	3.6	"		Do to
P M											
0-10	043	022	78.9	65.4	459	47	Calm	1.6	"	.	Do to.
0-20	041	019	79.4	65.2	446	44	Calm	0	"	1	Eclipse commenced from SW to NW
0-25	036	012	79.9	66.8	495	49	Calm	1.2	"	2	
0-30	030	005	80.4	67.2	503	48	Calm	0	"	3	
0-35	026	001	80.7	67.4	506	48	Calm	0	"	3	
0-40	024	000	80.5	66.8	488	47	Calm	0	"	3	
0-45	024	000	79.9	66.4	481	47	Calm	0	"	4	
0-50	013	000	79.9	65.8	461	45	Calm	1.2	"	4	
0-55	016	001	79.9	65.8	461	45	Calm	0	"	5	
1-0	016	001	79.9	65.8	461	45	Calm	0	"	5	
1-5	014	000	79.7	65.4	449	44	Calm	0	"	6	
1-10	010	000	78.1	61.6	442	46	Calm	0	"	6	
1-15	008	000	77.9	61.8	451	47	Calm	0	"	7	
1-20	006	000	77.7	61.8	452	47	Calm	0	"	7	
1-25	003	000	77.5	61.6	448	47	Calm	0	"	8	
1-30	001	000	76.7	61.2	446	48	Calm	0	"	8	
1-35	000	000	75.5	63.8	448	51	Calm	0	"	9	
1-40	000	000	75.5	63.8	448	51	Calm	0	"	9	
1-45	000	000	75.3	63.4	435	49	Calm	0	"	9	Obscuration began to decrease
1-50	000	000	75.1	63.2	431	49	Calm	0	"	9	
1-55	000	000	75.3	63.6	414	50	Calm	0	"	9	
2-0	000	000	75.7	63.8	444	50	Calm	0	"	9	
2-5	000	000	75.9	64.0	448	50	Calm	0	"	9	
2-10	000	000	76.7	64.2	446	48	Calm	0	"	9	
2-15	000	000	77.7	64.8	452	47	Calm	0	"	9	
2-20	000	000	77.9	65.0	456	47	Calm	0	"	9	
2-25	000	000	78.3	65.4	463	47	Calm	0	"	9	
2-30	000	000	78.7	65.8	474	43	Calm	0	"	9	
2-35	000	000	79.7	65.8	462	45	NE	2.4	"	9	
2-40	000	000	79.9	66.0	466	45	NE	9.6	"	9	
2-45	000	000	80.1	66.2	470	45	NE	2.4	"	9	
2-50	000	000	80.4	66.4	475	45	NE	2.4	"	9	
2-55	000	000	80.7	66.6	418	46	NE	1.2	"	9	Obscuration ended
3-10	000	000	80.9	66.4	468	44	NE	2.8	"	9	
3-15	000	000	81.4	66.8	476	45	Calm	3.6	"	9	
3-40	000	000	81.1	66.6	473	45	NE	2.4	"	9	
3-55	000	000	80.9	66.4	468	44	Calm	2.4	"	9	
4-10	000	000	80.9	65.8	448	43	Calm	2.4	"	9	

One hundred and twenty miles from central line of totality. Greatest obscuration 9.

HOUR.	BAROMETER.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	WIND.		Cloud proportion.	WEATHER AND OTHER REMARKS.
	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.					Direction.	Amount since preceding interval, in miles per hour.		
A.M.	"	"	"	"	"	%				
10-15	29°033	30°056	74°9	56°3	225	26	Calm	---	Nil	
10-30	°033	°053	76°4	57°3	235	26	E	1°6	"	
10-45	°029	°046	77°9	58°8	261	28	Calm	2°4	"	
11-0	°024	°037	80°1	59°8	263	25	E	4°0	"	
11-15	°020	°030	80°6	59°3	241	22	E	2°8	"	
11-30	°017	°024	82°6	59°3	217	19	E	4°0	"	
11-45	°004	°010	82°8	58°6	200	18	E	3°2	"	
12-0	28°997	°000	84°4	59°6	204	17	ESE	4°8	"	Eclipse commenced from S.W.
P.M.										
0-10	°985	29°998	84°6	60°6	232	20	Calm	1°2	"	
0-15	°993	°996	84°4	60°3	225	19	ENE	4°8	"	
0-20	°991	°994	84°4	59°7	208	18	Calm	1°2	"	
0-25	°989	°992	83°9	60°3	231	20	NE	2°4	"	
0-30	°986	°989	83°9	60°3	231	20	NE	2°4	"	
0-35	°982	°984	84°7	61°8	266	22	NNE	6°0	"	
0-40	°980	°983	83°9	60°3	232	20	ENE	6°0	"	
0-45	°979	°982	84°1	61°5	266	23	NE	2°4	"	
0-50	°975	°978	83°8	59°3	202	17	ENE	1°2	"	
0-55	°973	°977	83°4	58°8	193	17	ESE	4°8	"	
1-0	°972	°977	83°1	59°3	210	18	ENE	4°8	"	
1-5	°967	°971	82°8	59°1	209	19	E	3°6	"	
1-10	°965	°969	81°8	59°1	209	18	E	3°6	"	
1-15	°959	°964	82°4	58°8	205	19	E	3°6	"	Weather became hazy.
1-20	°958	°964	81°9	58°0	205	19	E	4°8	"	
1-25	°956	°963	81°4	59°3	232	21	Calm	2°4	"	
1-30	°957	°965	80°9	59°3	233	22	E	2°4	"	Blue sky.
1-35	°950	°960	80°0	59°3	249	24	NE	1°2	"	
1-40	°950	°960	79°9	58°3	221	22	NE	2°4	"	
1-45	°951	°961	79°9	58°3	221	21	NE	1°2	"	
1-50	°950	°960	79°9	58°3	221	21	NE	2°4	"	
1-55	°949	°958	80°4	58°3	215	20	E	3°6	"	
2-0	°949	°956	81°4	58°8	218	20	ENE	3°6	"	
2-5	°944	°951	81°4	59°3	232	21	ENE	6°0	"	
2-10	°944	°950	81°9	58°8	211	20	ENE	3°6	"	
2-15	°941	°946	82°4	59°3	220	20	NE	2°4	"	
2-20	°939	°942	82°9	59°5	218	20	NE	9°6	"	
2-25	°938	°941	83°1	59°6	220	20	NE	3°6	"	
2-30	°938	°940	83°4	59°8	222	20	NE	2°4	"	
2-35	°939	°940	81°0	59°8	215	19	Calm	7°2	"	
2-40	°940	°941	84°4	59°8	210	18	NE	2°4	"	
2-45	°941	°943	83°9	58°8	187	16	ESE	6°0	"	
2-50	°939	°937	85°4	61°0	233	19	NE	3°6	"	
2-55	°939	°935	86°4	61°4	234	18	N	3°6	"	
3-0	°940	°939	85°4	59°5	197	16	E	2°4	"	
3-15	°941	°941	84°9	61°0	239	20	NE	6°0	"	
3-30	°942	°941	85°5	59°3	181	14	E	4°8	"	
3-45	°940	°938	85°9	60°3	207	17	NE	4°0	"	
4-0		°937	86°4	60°3	201	16	NE	7°6	"	
4-15	°944	°941	86°4	60°3	201	16	NE	4°0	"	Eclipse terminated to N.W.

No 31 Lat 21° 15' N

RAIPUR

Long 81° 41' E

One hundred and twenty eight miles from central line of totality Greatest obscuration 9

Hour	Barometer		Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure	Relative humidity	Wind		Cloud proportion	Proportion of eclipse totality to	Temperature of solar radiation corrected	Weather and other remarks
	Madras time.	Corrected and reduced to 32° F	Reduced to sea level and constant gravity				Direction	Amount wind preceding referred in miles per hour				
A.M.												
10 4	29°06	30°034	71°6	59.3	342	46	Calm		Nil			
10 14	099	'034	73 0	59.9	343	43	Calm	0	"			
10 24	099	032	74 0	59.9	339	40	Calm	0	"			
10 34	100	'032	74.4	59.8	321	38	Calm	0.6	"			
10 44	098	'027	76 0	60.9	335	38	Calm	0	"			
10 54	094	022	76.6	60.4	311	34	Calm	0	"			
11 4	093	019	76.3	60.3	311	34	E	12	"			
11 14	086	013	76.7	60.1	301	33	Calm	0.6	"			
11 24	080	'004	77.9	60.9	309	32	Calm	0				
11 34	075	29°988	78.6	60.5	288	30	E	12	"			
11 44	073	995	78.8	60.9	297	30	Calm	0.6	"			
11 54 P.M.	'063	'983	79.3	60.9	290	29	Calm	0	"		138.3	
0 4	062	'980	80.5	61.9	307	30	Calm	0.6	"		"	
0 14	'056	974	80.7	61.4	289	27	Calm	0	"			Eclipse commenced from west.
0 19	051	968	80.9	61.8	302	29	Calm	0	"	1	131.3	
0 29	'047	'965	80.7	60.9	272	26	Calm	0.6	"	2		
0 34	043	961	80.6	61.6	296	29	Calm	12	"	3		
0 44	037	955	80.1	61.4	296	29	Calm	0	"	4	109.3	
0 49	040	'958	80.7	61.5	292	29	Calm	0	"	5		
0 54	032	950	80.2	61.2	289	28	Calm	0	"	5		
1 4	032	950	80.1	60.9	281	28	Calm	0.6	"	6		
1 9	'027	946	79.7	61.3	297	29	Calm	2.4	"	7	83.3	
1 19	026	'946	78.8	59.9	265	27	Calm	0	"	8		
1 24	023	944	78.7	60.2	277	28	E	2.4	"	9		
1 29											75.3	
1 34	021	'944	77.7	60.9	312	33	Calm	0	"			
1 39											85.3	
1 44	'017	'940	77.6	60.2	291	30	Calm	0	"			
1 49											96.3	
1 54	016	939	77.6	60.9	313	33	Calm	0	"	9		
1 59	'014	'935	77.9	60.7	303	31	Calm	0	"	7	107.3	
2 9	'016	'936	78.6	61.2	310	31	Calm	0	"	4	116.3	
2 19	014	'933	78.8	60.9	297	30	Calm	0	"	3	123.3	
2 29	014	933	79.6	61.6	309	31	Calm	0	"	1	129.3	
2 39	'012	929	79.8	61.3	297	29	Calm	0	"		135.3	
2 49	"											
2 54	012	929	80.0	61.9	314	31	Calm	0	"			
3 9	014	'930	80.6	61.9	305	30	Calm	0	"			
3 19	015	929	81.5	61.3	274	26	Calm	0	"			
3 24	"										122.3	
3 29	'017	'933	80.6	61.4	276	28	SE	0.6	"			
3 34	015	'930	80.8	60.7	265	26	Calm	0	"			
3 44	'015	931	80.7	61.5	292	29	SSE	0.6	"			
3 54	'017	933	80.6	61.3	287	27	Calm	0	"			

One hundred and thirty-four miles from central line of totality. Greatest obscuration 9'5.

Hour.	Barometer.			Wind.			Cloud, kind and proportion.	Proportion of eclipse, totality %.	Weather and other remarks.
	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.			
Madras time.						Direction.	Amount since preceding interval, in miles per hour.		
A.M.									
9-31	30.958	30.043	66.8	59.6	.416	63 SW	...	Nil	...
9-39	30.954	30.039	67.4	59.6	.408	61 ...	...	"	...
9-46	30.949	30.034	67.8	59.6	.403	59 SW	3.2	"	...
9-56	30.946	30.030	69.6	60.0	.393	54 ...	...	"	...
10-1	30.941	30.025	70.0	60.0	.386	53 WSW	3.6	"	...
10-16	30.938	30.022	70.2	60.4	.396	53 W	2.0	"	...
10-31	30.930	30.014	71.8	61.4	.406	52 W	0.8	"	...
10-41	30.928	30.012	72.8	61.6	.400	50 ...	...	"	...
10-49	30.925	30.008	73.0	61.8	.401	50 WNW	1.3	"	...
11-1	30.921	30.004	73.8	62.0	.400	48 WNW	1.5	"	...
11-11	30.914	29.997	73.8	62.0	.400	48 ...	...	"	...
11-23	30.908	29.991	74.2	62.1	.398	47 NNW	1.4	"	...
11-36	30.896	29.979	74.8	62.2	.393	45 WNW	2.3	"	...
11-46	30.888	29.970	75.0	61.8	.377	44 ...	...	"	...
11-53 P.M.	30.885	29.967	75.0	62.0	.384	44 SW	2.5	"	...
0-1	30.878	29.960	75.8	62.0	.373	42 ...	...	"	...
0-11	30.876	29.958	75.8	62.4	.385	43 SW	2.3	"	...
0-21	30.870	29.952	76.0	62.6	.389	44 ...	...	"	...
0-31	30.866	29.948	76.8	61.8	.353	38 SSW	3.3	Cu.	1
0-36	30.861	29.944	76.2	62.0	.368	40 ...	...	Cu.	2
0-41	30.864	29.946	76.2	62.2	.374	41 SSW	5.4	Cu.	...
0-51	30.860	29.942	76.0	62.6	.389	44 ...	...	Cu.	3
0-56	30.858	29.940	75.8	62.0	.373	42 W	3.2	Cu.	4
1-3	30.852	29.934	75.8	62.2	.380	43 ...	...	Cu.	5
1-9	30.850	29.932	75.6	61.4	.357	39 WNW	3.7	Cu.	6
1-16	30.850	29.932	75.4	61.4	.359	40 ...	...	Cu.	7
1-22	30.848	29.930	75.0	61.2	.358	41 W	2.3	Nil	8
1-31	30.851	29.933	74.4	61.1	.363	42 Calm	1.3	"	9
1-37	30.847	29.929	73.8	61.0	.367	44 ...	...	"	9'5
1-43	30.844	29.926	73.0	61.0	.378	46 Calm	0	"	9
1-51	30.842	29.925	71.4	61.2	.406	52 ...	...	"	8
1-56	30.842	29.925	70.8	61.1	.411	54 Calm	0	"	...
2-1	30.843	29.926	70.2	61.0	.415	56 ...	...	"	7
2-6	30.843	29.926	70.0	61.6	.436	59 Calm	0	"	...
2-13	30.839	29.922	70.2	62.0	.446	60 ...	...	"	6
2-18	30.835	29.918	70.8	62.0	.440	58 W	0	"	5
2-26	30.839	29.922	71.8	63.1	.463	59 ...	...	"	4
2-31	30.835	29.918	72.8	63.1	.450	55 Calm	1.2	"	...
2-39	30.837	29.919	73.8	62.4	.412	49 ...	...	"	3
2-46	30.837	29.919	74.2	62.4	.408	48 Calm	0	"	2
2-56	30.838	29.920	75.3	62.4	.392	44 ...	...	"	1
3-1	30.836	29.918	75.3	62.6	.400	45 WNW	1.6	"	...
3-16	30.838	29.920	75.2	62.6	.401	46 NW	2.8	"	...
3-26	30.840	29.922	75.2	62.6	.401	46 ...	...	"	...
3-31	30.842	29.924	74.8	62.2	.393	45 WNW	1.8	"	...

Eclipse commenced from SW.

Air cool and sky dark, daylight diminished so as to resemble the dim light imparted by a setting sun after heavy shower in the rainy season.

Eclipse terminated.

No 33 Lat 14° 50' N

KARWAR.

Long 74° 15' E

One hundred and thirty-six miles from central line of totality Greatest obscuration 9

Hour.	Barometer.		Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure	Relative humidity	Wind		Cloud proper tan	Proportion of red pos. totality in	Weather and other remarks.
	Mad as lims.	Corrected and reduced to 32° F	Reduced to sea level and constant gravity				Direction	Amount as per preceding interval, in miles per hour			
A.M.	"	"	"	"	"	%					
10-21	29.985	29.962	73.6	65.3	514	62	Calm		Nil		
10-39	990	966	76.6	65.5	482	53	Calm	0	"		
10-54	988	964	77.6	66.3	496	52	NW	1.6	"		Fine clear weather
11-9	977	953	79.6	66.5	476	46	NW	2.0	"		
11-24	974	950	80.7	66.7	468	45	NW	2.0	"		
11-39	969	945	81.5	66.4	448	42	NW	4.8	"		
11-44	954	940	82.4	66.7	445	41	NW	6.0	"		
11-49	967	943	82.6	66.8	447	40	NW	2.4	"	1	Eclipse commenced from westerly direction
11-54	964	940	82.9	66.1	418	37	NW	6.0	"	1	
11-59	964	940	82.6	66.6	439	40	W	3.6	"	2	
P.M.											
0-4	961	937	82.0	66.3	427	40	W	4.24	"	2	
0-9	958	934	82.1	66.3	436	39	W	2.0	"	3	
0-14	956	932	82.6	67.5	473	43	W	2.4	"	3	
0-19	952	928	82.0	66.6	447	41	W	3.6	"	4	
0-24	951	928	81.9	66.6	449	41	W	4.8	"	4	
0-29	954	930	81.1	66.8	454	41	W	6.0	"	5	
0-34	954	930	81.5	67.4	453	43	WNW	6.0	"	5	Faint rose colour of the sun changing into saffron red
0-39	952	928	81.1	67.6	496	47	NW	6.0	"	6	
0-44	950	926	80.9	67.5	496	47	W	3.6	"	6	Sun began to lose brilliancy
0-49	948	914	80.1	67.3	499	48	W	4.8	"	7	Atmosphere dull and hazy Appearance of the sun deep saffron red Sun looked like new moon Darkness increasing
0-54	947	923	78.9	66.8	497	51	WNW	2.4	"	7	
0-59	947	923	77.3	67.6	547	58	W	4.8	"	8	
1-4	947	923	77.1	68.5	583	62	W	2.4	"	8	Colour changing to dark saffron Corona visible
1-9	943	919	75.3	67.5	571	65	Calm	1.2	"	9	Darkness prevailed
1-14	942	918	74.4	66.8	557	66	Calm	0	"	9	
1-19	940	916	74.1	66.8	561	66	Calm	0	"	9	
1-24	937	913	73.3	65.8	536	65	Calm	0	"		Darkness increasing Colour of the sun still an red Perfectly calm
1-29	935	911	74.2	66.1	534	63	Calm	0	"		
1-34	932	908	74.6	66.5	544	64	Calm	0	"		
1-39	928	904	75.5	67.3	509	63	Calm	0	"		
1-44	928	904	76.4	68.2	581	63	Calm	0	"		
1-49	924	900	77.3	68.5	553	55	Calm	0	"		
1-54	916	892	78.9	68.2	547	55	Calm	0	"		
1-59	918	894	79.5	67.8	524	52	WNW	4.8	"		
2-4	915	891	80.4	68.2	527	51	W	6.0	"		
2-9	913	889	81.1	68.3	522	49	W	8.4	"		
2-14	911	887	81.6	68.7	529	49	W	3.6	"		
2-19	909	885	82.1	68.3	508	46	W	6.0	"		
2-24	905	881	82.4	68.2	500	45	W	6.0	"		
2-29	904	880	83.6	68.3	488	42	W	7.2	"		
2-34	900	876	84.1	67.9	467	40	W	4.8	"		
2-39	899	875	84.1	67.2	441	37	W	10.8	"		
2-44	894	870	85.4	68.3	454	38	W	4.4	"		Eclipse terminated Sun res me brilliancy
2-49	892	868	86.0	67.6	430	35	W	4.0	"		
2-54	889	865	85.9	67.8	439	36	W	4.8	"		
2-59	887	863	85.5	67.5	457	36	W	6.8	"		
3-4	893	869	85.4	67.6	438	36	W	4.4	"		
3-9	897	873	85.8	66.9	407	33	W	3.2	"		Fine clear weather
3-14	897	873	85.1	67.5	439	37	W	3.6	"		

One hundred and forty-four miles from central line of totality. Greatest obscuration 9.

Hour.	BAROMETER.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	WIND.		Cloud proportion.	Proportion of eclipse, totality 10.	WEATHER AND OTHER REMARKS.
	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.					Direction.	Amount since preceding interval, in miles per hour.			
A.M.	"	"	"	"	"	%					
10-0	29.901	30.018	72.4	60.3	.363	46	Calm	...	Nil.	...	
10-15	.892	.009	73.4	60.9	.369	45	Calm	0	"	...	
10-30	.886	.003	74.7	60.9	.351	41	Calm	0	"	...	
10-45	.884	.000	75.1	62.4	.396	45	S	0.4	"	...	
11-0	.876	29.993	74.9	61.4	.366	42	Calm	0.8	"	...	
11-15	.872	.988	76.1	62.1	.372	41	SW	2.8	"	...	
11-30	.860	.976	76.1	61.7	.360	40	SSW	1.6	"	...	
11-45	.856	.972	76.3	61.9	.362	40	SSW	0	"	...	
12-0	.841	.957	75.2	63.1	.378	39	Calm	0.4	"	...	
P.M.											
0-15	.833	.949	78.3	61.4	.353	36	WNW	2.0	"	...	First contact took place at 0.30 P.M.
0-30	.823	.939	77.8	61.9	.344	36	WNW	0.4	"	...	
0-40	.821	.937	78.0	61.9	.342	36	SW	1.8	"	1	
0-50	.817	.933	78.4	62.5	.355	37	Calm	1.8	"	2	
0-56	...	...	...	...	...	...	...	...	...	3	
1-0	.802	.918	78.0	62.4	.357	37	Calm	1.2	"	4	
1-10	.802	.918	77.8	61.9	.344	36	W	0.6	"	5	
1-20	.802	.918	77.4	61.9	.382	41	Calm	1.2	"	6	
1-30	.791	.907	77.0	61.9	.355	38	Calm	0	"	7	
1-40	.798	.914	76.3	62.7	.390	44	Calm	0.6	"	8	
1-50	.798	.914	75.1	62.7	.405	46	Calm	0	"	9 at 1.55 P.M.	
2-0	.796	.913	73.7	61.7	.392	47	Calm	0	"	...	<p>Greatest phase at 1.57 P.M. The eclipse occupied altogether 3 hours 30 minutes 7 seconds. The centre of the sun was covered at 1.10 P.M. and almost immediately, the shadows deepened and the lessening of the sun's rays became appreciable. The dark haze which obscured the N. and N.E. horizons intensified gradually and S. and S.W. horizons looked dull yellowish. Colours were greatly modified—just as if the sun were covered with a large white sheet spread on the ground, the width being about 21 inches and seemed tinted. The fringes appeared to be bands of pink, orange and red, separated by dark stripes. The haze deepened and covered the sky to N. and N.E., subsiding gradually after the time of greatest phase till 3.45 P.M., when it quite vanished.</p>
2-10	.794	.911	73.9	63.3	.442	53	Calm	0	"	...	
2-20	.796	.913	74.1	63.9	.459	55	Calm	0	"	...	
2-30	.798	.914	75.1	63.3	.426	49	Calm	0	"	...	
2-40	.798	.914	75.9	62.5	.388	44	Calm	0	"	...	
2-50	.796	.912	76.1	61.9	.367	41	Calm	0	"	...	
3-0	.789	.905	77.0	61.9	.387	42	NE	0	"	...	
3-10	.793	.909	77.0	62.7	.380	41	Calm	0	"	...	
3-25	.799	.915	77.3	63.1	.389	42	N	0	"	...	
3-40	.800	.916	77.0	62.1	.360	38	Calm	0	"	...	
3-55	.799	.915	77.8	63.5	.396	42	Calm	0	"	...	
4-10	.807	.923	76.8	63.4	.406	44	Calm	0	"	...	

One hundred and forty-eight miles from central line of totality. Greatest obscuration 9.

Hour.	Barometer.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind.		Cloud proportion.	Proportion of eclipse, totality in.	Weather and other remarks.
	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.					Direction.	Amount since preceding interval, in miles per hour.			
A.M.	"	"	"	"	"	%					
9-39	28.010	30.009	69.9	55.4	261	35	WNW	...	Nil	...	
9-54	28.008	30.004	70.8	55.9	263	35	WNW	10.3	"	...	
10-9	28.007	30.001	71.1	55.6	257	34	WNW	9.2	"	...	
10-24	28.006	29.996	71.9	55.8	248	32	NW	12.0	"	...	
10-39	28.004	29.992	72.7	56.2	249	31	NW	12.0	"	...	
10-54	27.997	29.983	73.0	56.4	251	31	NW	14.4	"	...	
11-9	27.991	29.976	73.1	56.4	250	31	NW	10.8	"	...	
11-24	27.985	29.967	73.7	56.4	242	28	NW	18.8	"	...	
11-39	27.978	29.958	74.1	57.0	255	30	NNW	14.3	"	...	
11-54 P.M.	27.968	29.946	74.4	56.9	248	29	NW	14.4	"	...	
0-9	27.962	29.937	74.9	57.2	251	29	NW	11.2	"	...	
0-24	27.959	29.934	74.9	57.2	251	29	NW	14.4	"	...	Fine, clear weather.
0-28	27.950	29.921	76.0	57.8	255	29	NW	22.5	"	1	
0-34	27.950	29.923	75.6	57.1	239	27	NW	9.0	"	2	
0-39	27.948	29.918	75.9	57.6	250	28	NW	12.0	"	2	
0-44	27.945	29.916	75.8	56.9	229	26	NNW	15.6	"	3	
0-49	27.945	29.917	75.6	56.9	233	27	WNW	12.0	"	4	
0-54	27.945	29.913	75.2	57.1	245	28	NNW	14.4	"	4	
0-59	27.943	29.915	75.5	57.5	245	29	NNW	12.0	"	4	
1-4	27.941	29.915	74.9	56.9	242	28	NNW	13.2	"	4	
1-9	27.937	29.911	74.9	56.9	244	28	NNW	12.0	"	5	
1-14	27.933	29.908	74.6	56.1	223	26	NNW	13.2	"	5	
1-19	27.933	29.910	73.9	55.9	226	27	NNW	15.6	"	6	
1-24	27.931	29.910	73.4	55.9	232	28	NW	14.4	"	7	
1-29	27.933	29.914	72.9	55.6	230	28	NW	13.2	"	8	
1-34	27.931	29.914	72.6	55.6	234	29	NNW	12.0	"	9	
1-39	27.931	29.916	71.9	55.2	231	29	NW	9.6	"	9	Sunlight gloomy.
1-44	27.933	29.919	71.5	54.9	227	30	NW	14.4	"	9	
1-49	27.932	29.922	70.9	54.9	229	31	NW	10.8	"	9	
1-54	27.931	29.912	70.6	55.2	245	32	NW	12.0	"	8	
1-59	27.931	29.912	70.5	55.1	257	35	NW	4.3	"	8	
2-4	27.93	29.912	70.6	55.5	256	25	NW	7.2	"	7	
2-9	27.929	29.918	70.9	55.9	263	35	NW	6.0	"	7	
2-14	27.928	29.916	71.3	56.0	260	34	NW	7.2	"	4	
2-19	27.928	29.914	71.7	56.4	267	34	WNW	8.4	"	3	
2-24	27.926	29.911	72.0	56.7	272	35	WNW	6.0	"	3	
2-29	27.925	29.908	72.6	56.8	263	33	WNW	9.6	"	2	
2-34	27.925	29.905	73.3	57.1	268	33	NW	9.6	"	2	
2-39	27.923	29.902	73.6	56.9	264	31	NW	9.6	"	1	Fine, clear weather.
2-44	27.922	29.900	73.6	56.7	251	30	NW	9.6	"	1	
2-49	27.920	29.895	73.9	56.9	255	30	NW	12.0	"	1	
2-54	27.926	29.903	74.0	56.9	254	30	WNW	15.6	"	1	
3-9	27.926	29.903	73.9	56.8	252	30	WNW	13.2	"	...	
3-14	27.925	29.901	74.3	56.6	241	28	WNW	12.4	"	...	
3-29	27.927	29.901	73.9	56.6	246	29	WNN	14.8	"	...	
3-39	27.930	29.907	74.1	56.9	252	30	WNW	12.0	"	...	

One hundred and seventy-six miles from central line of totality. Greatest obscuration 9.

Hour.	Barometer.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour per cent.	Relative humidity.	Wind.		Cloud proportion.	Proportion of eclipse, totality to.	Weather and other remarks.
	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.					Direction.	Amount since preceding interval, in miles per hour.			
A.M.											
9-39	27.886	30.003	...	...	...	...	...	...	NW	...	Blue sky, no cloud; sun shines brightly, wind blows gently.
9-49	...	...	69.5	54.3	236	33	NW	...	...	...	Do. Do. Do.
9-54	...	...	...	...	...	...	NW	...	...	...	Do. Do. Do.
10-4	28.1	29.991	...	...	...	...	...	...	...	...	Do. Do. wind blows a little strong.
10-14	...	...	71.0	55.0	236	31	NNW	77	...	...	Do. Do. Do.
10-19	...	...	...	...	...	...	...	...	...	...	Do. Do. Do.
10-29	28.5	29.966	...	...	...	...	...	...	...	...	Do. Do. Do.
10-39	...	...	72.7	55.7	235	29	NW	62	...	...	Do. Do. Do.
10-44	...	...	...	...	...	...	NW	...	...	...	Do. Do. Do.
10-54	28.56	29.956	...	...	...	...	...	...	...	...	Do. Do. Do.
11-4	...	...	73.1	53.9	236	28	NW	9.8	...	...	Do. Do. Do.
11-9	...	...	...	...	...	...	NW	...	...	...	Do. Do. Do.
11-19	28.55	29.949	...	...	...	...	...	...	...	...	Do. Do. Do.
11-29	...	...	74.5	56.3	230	27	NW	7.9	...	...	Do. Do. Do.
11-34	...	...	...	...	...	...	NW	...	...	...	Do. Do. Do.
11-44	28.49	29.938	...	...	...	...	...	...	...	...	Do. Do. Do.
11-54	...	...	75.4	56.5	223	26	WNW	9.6	...	...	Do. Do. Do.
11-59	...	...	...	...	...	...	...	...	...	...	Do. Do. Do.
P.M.											
0-9	28.38	29.921	...	...	...	...	...	...	...	...	Do. Do. Do. { The sun looks red through black glass but all round.
0-19	...	...	76.8	57.3	236	26	NW	7.9	...	...	Do. Do. Do. { Obscuration from S, obscured part black but the rest red.
0-24	...	...	...	...	...	...	NW	...	...	...	Blue sky, no cloud, sun shines brightly, wind blows gently.
0-34	28.24	29.907	...	...	...	...	...	...	...	...	Do. Do. Do.
0-44	...	...	76.6	57.2	228	24	...	...	...	...	0-44 P.M. to 2-59 P.M.—Dark haze in horizon, Zenith blue, no cloud. The rays of the sun diminishing. The wind blows a little strong. Obscured portion black and unobscured portion red. All about the sun and of the sky is being seen through the dark glass and water.
0-49	...	...	...	...	...	...	NW	7.7	...	3	
0-59	28.22	29.909	...	...	...	...	...	...	...	4	
1-7	...	...	75.8	56.3	214	23	NW	9.2	...	4	
1-11	...	...	...	...	...	...	NW	...	...	5	
1-19	28.04	29.895	...	...	...	...	...	...	...	6	
1-27	...	...	74.2	55.4	207	24	...	...	...	6	
1-31	...	...	...	...	...	...	WNW	8.1	...	7	
1-39	28.08	29.904	...	...	...	...	...	...	...	8	
1-47	...	...	72.9	55.3	222	27	...	...	...	9	
1-51	...	...	...	...	...	...	WNW	5.4	...	8	
1-59	28.15	29.911	...	...	...	...	...	...	...	7	
2-7	...	...	73.2	55.8	230	25	...	...	...	6	
2-11	...	...	...	...	...	...	NW	1.8	...	6	
2-19	28.13	29.905	...	...	...	...	...	...	...	5	
2-27	...	...	74.2	56.2	230	27	...	...	...	4	
2-31	...	...	...	...	...	...	NW	2.1	...	3	
2-39	28.13	29.900	...	...	...	...	...	...	...	2	
2-47	...	...	75.4	56.3	219	25	NW	9.6	...	1	
2-51	...	...	...	...	...	...	...	...	...	1	
2-59	28.19	29.903	...	...	...	...	...	...	...	1	
3-9	...	...	76.1	56.9	227	25	...	...	...	...
3-14	...	...	...	...	...	...	WNW	7.5	...	...
3-24	28.16	29.902	...	...	...	...	...	...	...	...
3-34	...	...	75.8	56.2	211	23	WNW	8.4	...	...
3-39	...	...	...	...	...	...	...	...	...	...
											3-39 P.M. to 3-59 P.M. Blue sky, no cloud but dust haze in horizon. The sun shines brightly and the wind blows gently.

No. 37. Lat 26° 26' N.

CAWNPORE.

Long. 86° 25' E.

One hundred and ninety-one miles from central line of totality. Greatest obscuration, .9.

Hour Madras time.	BAROMETER.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind		Cloud propor- tion.	Proportion of eclipse, totality, in	WEATHER AND OTHER REMARKS
	Corrected and reduced to 32° F.	Reduced to sea- level and constant gravity.					Direction	Amount seen preceding and in miles per hour.			
A.M.	"	"	"	"	"	%					
8-0	29.605	30.004	60.9	50.7	23.7	44	WNW	...	Nil	...	3 A.M. to 0.39 P.M., fine, clear weather.
10-0	.637	.027	71.2	56.5	26.1	35	WNW	4.2	"	...	Wind vane oscillating from WNW to NNW
10-15	.637	.026	72.0	56.8	26.2	34	WNW	6.0	"	...	
10-27	.641	.026	73.4	57.5	26.4	32	WNW	7.5	"	...	
10-43	.640	.026	73.7	57.5	26.1	32	WNW	6.8	"	...	
10-58	.635	.021	75.0	57.8	25.3	29	WNW	8.8	"	...	
11-8	.629	.014	75.9	58.3	25.5	28	WNW	...	"	...	Ditto ditto
11-13	.628	.012	76.8	58.3	24.3	26	NNW	8.4	"	...	
11-28	.621	.005	77.2	58.8	25.3	27	WNW	6.8	"	...	
11-36	.617	.009	77.5	58.6	24.8	26	WNW	...	"	...	
11-43	.614	.006	77.5	58.3	23.4	25	NNW	...	"	...	
11-54	.610	.002	...	...	...	...	WNW	...	"	...	Ditto ditto, W to NW
11-58	.607	.003	78.7	59.1	24.3	25	WNW	8.8	"	...	
P.M.											
0-8	.601	.002	...	...	...	...	WNW	...	"	...	First contact of eclipse at 0-30 P.M.
0-13	.599	.000	...	...	...	...	WNW	...	"	...	
0-21	.595	.000	79.7	59.7	24.6	25	WNW	...	"	...	
0-28	.591	.002	79.3	59.1	23.5	24	WNW	10.0	"	1 at 0-27 P.M.	
0-39	.589	.000	79.4	59.0	22.9	23	WNW	10.5	"	2 at 0-35 P.M.	Wind vane oscillating from SSW to W to WNW.
0-50	.585	.006	79.1	59.1	23.7	24	...	9.4	"	3 at 0-43 P.M.	
1-0	.581	.002	78.6	58.5	22.6	24	WSW	...	"	4 at 0-53 P.M.	Wind vane oscillating, much disturbed. Wind vane oscillating from NNE, through NNW, to WNW.
1-3	.579	.000	79.3	58.6	21.9	23	WNW	11.0	"	5 at 1-2 P.M.	
1-13	.577	.000	...	...	...	...	WNW	...	"	6 at 1-13 P.M.	Sky looked very gloomy. Sky dull, all still, not a breath of wind stirring
1-20	.573	.005	77.5	58.1	22.7	24	WNW	7.7	"	7 at 1-22 P.M.	
1-30	.571	.005	76.3	58.1	24.1	27	WNW	6.0	"	8 at 1-32 P.M.	
1-43	.566	.001	75.1	58.1	20.6	30	Calm	3.7	"	9 at 1-39 P.M.	
1-51	.562	.000	74.9	58.1	20.1	30	Calm	...	"	7 at 1-50 P.M.	
1-56	.564	.000	...	...	...	...	Calm	...	"	6 at 1-58 P.M.	
2-3	.564	.000	75.4	59.7	20.6	35	Calm	1.2	"	...	Wind vane moves gently for a minute or two and then stands calm.
2-8	.560	.000	...	...	...	...	Calm	...	"	5 at 2-10 P.M.	Sky brightening.
2-13	.560	.000	76.3	59.2	21.7	31	WNW	5.4	"	4 at 2-20 P.M.	
2-23	.562	.000	76.8	58.8	25.8	28	WNW	3.6	"	3 at 2-25 P.M.	
2-33	.557	.000	...	...	...	...	Calm	...	"	2 at 2-30 P.M.	
2-38	.557	.000	77.8	58.9	24.6	26	Calm	5.6	"	1	Fine, clear weather. Wind variable
2-50	.560	.000	...	...	...	...	...	...	"	...	Sky quite blue all over and appears unusually bright.
2-55	.558	.000	...	...	...	...	...	...	"	...	Fine, clear weather. Sun's full disc visible at 2-55 P.M.
3-1	.558	.000	79.6	59.9	25.6	26	WNW	6.1	"	...	Wind vane oscillating from NNW to SSW, and then to WNW.
3-8	.561	.000	79.3	59.7	25.0	26	WNW	...	"	...	Fine clear weather. Sky quite bright.
3-13	.561	.000	79.5	59.8	25.4	26	WNW	13.0	"	...	Wind vane gently moves from WNW to WSW, and vice versa.
3-28	.561	.000	79.7	60.7	23.9	28	WNW	3.0	"	...	Fine, clear weather. Wind vane gently moves from WNW to WSW, and vice versa.
3-38	.566	.000	79.3	59.5	24.8	25	NNW	11.4	"	...	Fine, clear weather.
3-51	.566	.000	79.4	59.6	25.0	25	WSW	8.1	"	...	Fine, clear weather.
4-3	.569	.000	78.8	59.8	26.1	27	WSW	...	"	...	Fine, clear weather.

One hundred and ninety-two miles from central line of totality. Greatest obscuration 9.

Hour.	Barometer.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind.		Cloud proportion.	Properties of eclipse, totality, &c.	Weather and other remarks.
	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.					Direction.	Amount since preceding interval, in miles per hour.			
A.M.	"	"	"	"	"	%					
10-17	28.249	30.041	76.9	56.9	217	23	NNE	...	Nil		
10-32	251	044	77.0	56.1	193	20	NE	0.8	"		
10-47	247	037	77.4	56.1	188	19	NNE	0.8	"		
11-2	248	034	76.7	57.7	218	22	Calm	0.8	"		
11-17	242	025	79.6	57.9	213	21	NNE	0.8	"		
11-32	231	016	79.1	57.0	193	19	Calm	2.0	"		
11-47	223	000	81.0	58.4	211	19	Calm	0.4	"	...	Weather fine, except slight and sharp breezes occasionally.
P.M.											
0-2	218	29.994	81.2	57.6	184	18	Calm	1.2	"	1, at 0.8 P.M.	
0-12	215	989	81.7	57.7	181	17	Calm	0.6	"	2, at 0.15 P.M.	
0-22	209	985	81.1	57.7	188	18	Calm	0.6	"	3, at 0.23 P.M.	Weather calm; no change in the appearance or color of the sun and sky.
0-32	205	979	81.4	56.7	156	15	Calm	0	"	4, at 0.31 P.M.	
0-42	199	975	81.1	57.7	188	18	Calm	0	"	5, at 0.41 P.M.	Lustre of the sun diminished and the sky dull.
0-52	194	966	81.6	58.1	192	18	Calm	1.2	"	6, at 0.50 P.M.	The sun became very mild.
1-2	189	965	80.6	57.9	201	19	Calm	0	"	7, at 0.59 P.M.	
1-12	185	963	80.1	58.6	227	22	Calm	0	"	8, at 1.7 P.M.	
1-22	178	958	79.1	57.9	219	22	Calm	0	"	9, at 1.20 P.M.	Sun was almost obscured, and the lower part began to clear up.
1-32	176	950	78.0	59.4	277	29	Calm	0	"	8, at 1.37 P.M.	
1-42	172	961	76.5	58.2	260	28	Calm	0	"	7, at 1.44 P.M.	Obscuration reached the upper end of the sun and the lower end cleared up. Day light was as bright as at 5.30 P.M.
1-57	171	951	78.9	59.4	266	26	Calm	0	"	6, at 1.51 P.M. 5, at 1.59 P.M. 4, at 2.7 P.M. 3, at 2.16 P.M. 2, at 2.25 P.M. 1, at 2.35 P.M.	Weather calm.
2-12	164	941	80.1	57.6	198	19	Calm	0	"		
2-27	166	939	81.1	58.1	200	19	Calm	1.6	"		
2-42	166	936	81.9	58.1	190	17	Calm	2.0	"		
2-57	166	934	82.5	57.9	177	16	Calm	0.8	"		
3-12	167	936	82.2	58.2	189	17	Calm	0.8	"		
3-27	169	937	82.5	57.9	177	16	NNE	1.6	"		
3-42	174	940	83.1	58.1	176	15	Calm	0	"		
3-57	176	942	83.1	59.2	208	18	N	0.8	"		
4-17	178	944	82.9	59.6	222	20	Calm	0.6	"		

No 39 Lat 17° 27' N.

SECUNDERABAD

Long. 78° 33' E.

One hundred and ninty-five miles from central line of totality Greatest obscuration 9

Hour	BAROMETER		Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure	Relative humidity	Wind		Cloud proportion	Proportion of eclipse, totality to	WEATHER AND OTHER REMARKS
	Corrected and reduced to 32° F	Reduced to sea level and constant gravity					Direction	Amount since preceeding interval, in miles per hour			
Madras time	"	"	"	"	"	%					
A.M.											
10-7	28.25	30.003	75.3	57.9	267	30	ENE		NE	"	Fine, clear weather
10-22	251	29.999	76.5	58.8	278	30	ENE	3.2	"	"	Do
10-37	250	29.98	76.7	58.7	272	30	ENE	3.6	"	"	Do
10-52	243	29.9	76.9	58.9	276	30	ENE	3.6	"	"	Do
11-7	240	29.8	79.3	60.7	302	30	ENE	4.0	"	"	Do
11-22	237	29.80	77.5	58.7	263	28	ENE	4.0	"	"	Do
11-37	235	29.68	80.5	59.9	264	25	ENE	3.2	"	"	Do
11-52	228	29.60	80.8	59.5	247	23	ENE	4.8	"	"	Do Ecl pre began at 11 54 A.M. from SW
11-57	228	29.60	80.5	57.7	197	19	ENE	3.6	"	1	Do
P.M.											
0-2	226	29.56	80.9	58.5	215	19	ENE	3.6	"	1	Do
0-7	223	29.55	80.5	58.1	208	19	ENE	1.2	"	2	Do
0-12	223	29.51	81.5	59.3	232	21	ENE	6.0	"	2	Do
0-17	222	29.56	80.1	58.1	213	20	ENE	3.6	"	2	Do
0-22	220	29.55	79.8	57.9	211	20	ENE	2.4	"	3	Do Appearance of the sky, pale blue colour
0-27	218	29.46	81.5	59.7	245	22	ENE	1.2	"	3	Do
0-32	214	29.49	79.8	58.4	225	21	ENE	1.2	"	3	Do
0-37	212	29.44	80.5	58.9	232	22	ENE	1.2	"	4	Do
0-42	212	29.45	80.3	57.3	187	18	ENE	3.6	"	4	Do Appearance of the sun and its immediate neighbourhood pale dark yellow colour
0-47	210	29.45	79.8	57.7	205	19	ENE	4.8	"	5	Do
0-52	210	29.45	79.7	59.0	241	24	ENE	1.2	"	5	Do Trees etc appeared pale yellow colour
0-57	206	29.45	78.3	57.2	208	21	ENE	3.6	"	6	Do Appearance of the day first gloomy weather
1-2	204	29.42	78.5	57.3	209	21	ENE	4.8	"	6	Do
1-7	200	29.38	78.5	57.3	209	21	Calm	6.0	"	7	Do
1-12	200	29.41	77.5	57.2	219	22	Calm	0	"	8	Do
1-17	198	29.39	77.7	57.5	226	23	ENE	2.4	"	8	Do
1-22	198	29.39	77.5	57.9	240	25	ENE	6.0	"	9	Do Cool Appearance first very bright moonlight night
1-27	194	29.37	76.9	57.1	274	23	Calm	4.8	"	9	Do
1-32	192	29.36	76.5	56.5	210	22	ENE	2.4	"	9	Do
1-37	190	29.33	76.5	56.8	219	23	Calm	2.4	"	8	Do Eclipse decreased southwards
1-42	190	29.33	76.6	57.1	227	24	ENE	1.2	"	8	Do
1-47	188	29.28	77.5	57.7	234	24	ENE	4.8	"	7	Do
1-52	186	29.25	77.9	57.9	235	24	ENE	3.6	"	6	Do
1-57	186	29.25	77.9	57.1	211	21	ENE	3.6	"	4	Do
2-2	182	29.21	78.1	57.3	214	21	ENE	6.0	"	4	Do
2-7	182	29.19	78.5	57.9	228	23	ENE	3.6	"	3	Do
2-12	182	29.14	79.9	58.8	236	23	ENE	4.8	"	2	Do
2-17	181	29.14	79.8	58.7	234	23	ENE	4.8	"	1	Do
2-22	179	29.10	80.3	58.9	234	22	E	4.8	"	1	Do
2-27	179	29.09	80.5	58.5	200	21	ENE	4.8	"	1	Do
2-32	179	29.09	80.2	58.7	229	22	ENE	6.0	"	1	Do
2-37	178	29.05	80.9	58.1	203	19	ENE	6.0	"	1	Do
2-42	178	29.06	80.5	58.7	226	21	ENE	3.6	"	1	Do Eclipse disappeared at 2 45 P.M. N.E. direction
2-47	177	29.02	81.5	58.5	207	20	ENE	6.0	"		Do
2-52	176	29.03	81.1	58.4	209	19	ENE	7.2	"		Do
3-7	174	28.98	82.1	59.1	218	20	ENE	3.2	"		Do
3-12	171	28.97	81.3	58.9	162	15	ENE	4.8	"		Do
3-17	173	28.90	80.5	57.4	157	15	ENE	6.4	"		Do
3-22	175	29.00	81.5	58.3	144	13	ENE	10.0	"		Do
4-7	175	29.05	82.9	57.9	173	15	ENE	5.6	"		Do

One hundred and ninety-eight miles from central line of totality. Greatest obscuration 9.

Hour.	Barometre.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind		Cloud proportion.	Proportion of eclipse, totality 10.	Weather and other remarks.
	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.					Direction.	Amount since preceding interval, in miles per hour.			
<i>Madras time.</i>											
A.M.											
9-57	29.676	30.018	68.3	57.1	32.1	16	W	...	Nil	...	Sky clear and bright and wind variable in the morning.
10-12	68.6	69.26	69.4	57.4	31.2	43	NNW	1.6	"	...	
10-27	67.7	68.16	70.2	57.5	30.6	41	Calm	3.2	"	...	
10-42	67.7	68.14	71.4	59.5	33.8	43	NW	2.4	"	...	
10-57	67.1	68.07	73.2	58.6	30.0	38	Calm	1.6	"	...	
11-12	65.9	29.995	73.2	57.9	27.8	33	W	2.8	"	...	Gentle west wind commenced and velocity gradually increased.
11-27	65.5	68.9	75.2	60.0	31.7	36	W	3.2	"	...	
11-42	64.8	68.2	75.3	59.4	29.5	33	W	4.0	"	...	
11-57	63.4	68.6	76.4	60.1	30.3	33	W	5.2	"	...	
P.M.											
0-12	62.3	68.6	77.5	60.4	29.9	31	W	4.0	"	...	Eclipse commenced.
0-27	62.4	68.6	78.0	60.4	29.3	30	NW	3.6	"	2	
0-42	61.5	68.7	78.1	60.5	29.5	31	W	7.2	"	...	
0-57	60.7	68.9	78.2	60.0	27.8	28	W	4.8	"	5	
1-2	60.3	68.5	78.0	60.5	29.6	31	W	7.2	"	...	
1-7	60.2	68.6	78.6	59.1	27.0	29	"	6	Eclipse terminated.
1-12	60.2	68.6	78.5	59.2	27.7	30	...	...	"	...
1-17	59.9	68.1	78.2	59.1	27.6	31	W	5.2	Nil	7	
1-22	59.5	68.2	78.9	59.1	29.4	34	...	...	"	...
1-27	59.4	68.7	78.8	59.1	29.4	34	...	...	"	8
1-32	59.4	68.7	78.7	59.2	29.7	35	W	2.8	Nil	...	
1-37	59.7	68.0	78.5	59.2	30.1	35	...	...	"	9
1-42	60.0	68.5	78.1	59.1	30.1	36	...	...	"	?
1-47	60.2	68.7	78.0	58.3	27.8	33	Calm	2.8	Nil	?	
1-52	59.4	68.7	78.0	59.1	30.3	35	...	...	"	?
1-57	59.6	68.9	78.1	59.1	29.3	36	...	...	"	?
2-2	59.6	68.9	78.3	58.6	28.5	34	W	2.8	Nil	?	
2-17	59.1	68.6	75.2	59.2	29.2	33	W	1.6	"	?	
2-32	59.2	68.3	77.0	60.5	30.9	34	W	7.2	"	?	
2-47	58.6	68.7	77.5	60.1	28.8	30	W	7.2	"	...	
3-2	59.3	68.4	77.6	60.2	29.0	30	W	2.0	"	...	
3-17	59.2	68.3	77.7	60.5	29.9	31	W	4.0	"	...	
3-32	59.2	68.3	77.7	60.4	29.6	30	W	10.8	"	...	
3-47	59.6	68.8	76.4	60.3	31.1	34	W	12.0	"	...	
3-57	60.0	69.4	76.9	60.1	29.8	32	W	9.0	"	...	

No 41 Lat 27° 34' N

BAHRAICH

Long 81° 39' E

Two hundred and seven miles from central line of totality Greatest obscuration 9

Hour	Barometer			Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure.	Relative humidity	Wind		Cloud p. op. tion.	Proportion of eclipse total ly to	WEATHER AND OTHER REMARKS.
	Madras time	Corrected and reduced to 32° F	Reduced to sea level and constant gravity					Direction	Amount speed ag. nautical miles per hour			
A M	"	"	"	"	"	"	%					
10-0	20°22	30.003	67.4	59.4	402	60	ESE			Nil		Dust haze no cloud
10-10	621	001	67.9	59.8	408	60	S	4.8	"	"		Ditto
10-20	620	29.999	68.5	59.9	406	58	SE	4.2	"	"		Ditto
10-30	616	995	68.9	60.0	399	56	ESE	4.8	"	"		Ditto
10-40	616	994	70.1	60.8	410	56	S	4.8	"	"		Ditto
10-50	615	992	70.7	60.8	401	53	E	4.2	"	"		Ditto
11-0	614	990	71.6	61.5	414	54	ESE	4.2	"	"		Ditto
11-10	611	987	71.8	61.0	394	51	E	4.8	"	"		Ditto
11-20	613	980	72.0	61.6	409	52	S	3.6	"	"		Ditto
11-30	613	988	73.0	62.1	412	50	ESE	3.6	"	"		Ditto
11-40	598	973	73.4	62.1	408	50	S	4.2	"	"		Ditto
11-50	594	968	73.9	62.2	405	48	S	0	"	"		Ditto
12-0	585	959	73.9	62.0	397	47	S	2.4	"	"		Ditto
P M												
0-10	580	954	74.4	62.5	407	48	S	8.4	"	"		Ditto
0-20	578	951	75.1	62.3	392	45	SW	0.6	"	"		The eclipse began from the west and moved towards south
0-25	574	948	73.9	62.0	397	47	SW	14.4	"	1		Dust haze
0-30	572	946	74.4	62.2	398	46	SW	0	"	2		
0-35	579	953	74.4	62.3	407	48	SE	6.6	"	3		
0-40	566	939	75.3	63.2	420	48	SE	0	"	3		
0-45	564	938	74.4	62.9	424	48	SE	0	"	4		
0-50	566	940	74.1	62.2	401	47	SW	2.4	"	4		
0-55	564	937	74.9	62.6	400	47	Calm	0	"	5		
1-0	566	940	73.9	62.2	405	48	S	1.8	"	5		
1-5	562	935	74.8	62.8	413	48	Calm	0	"	5		
1-10	558	933	73.4	62.0	404	49	Calm	0	"	6		Thin horizon on the west and north dark
1-15	562	937	72.9	62.0	397	47	SW	0.8	"	7		
1-20	554	929	72.9	62.0	410	51	SW	1.2	"	7		
1-25	550	925	72.9	62.0	410	51	SW	1.2	"	8		
1-30	554	920	73.0	61.9	409	51	Calm	0	"	8		
1-35	552	928	71.7	61.8	420	54	Calm	0	"	9		
1-40	554	931	71.0	62.0	437	57	S	0.4	"	9		
1-45	554	931	70.9	61.8	432	57	Calm	0	"	9		Hazy and a little dusty
1-50	555	932	70.9	62.8	465	61	Calm	0	"	8		Ditto
1-55	549	926	71.1	62.7	458	59	Calm	0	"	7		
2-0	548	925	70.9	62.9	470	61	Calm	0	"	6		Ditto
2-5	549	925	71.9	63.0	457	58	Calm	0	"	5		Ditto
2-10	547	922	72.7	63.5	461	58	Calm	0	"	4		Ditto
2-15	548	923	72.8	62.2	420	52	Calm	0	"	3		Ditto
2-20	545	920	72.6	62.4	431	54	Calm	0	"	2		Ditto
2-25	546	921	72.9	62.6	432	54	SW	2.4	"	1.5		Ditto
2-30	548	923	73.3	63.0	440	55	SW	2.4	"	1		Ditto
2-35	546	920	73.7	63.3	443	53	SW	1.2	"	1		Ditto
2-40	549	923	73.9	63.4	445	53	WSW	1.2	"	0.5		Ditto
2-45	545	920	73.1	62.5	426	52	WSW	1.2	"	0.3		Ditto
2-50	544	919	73.4	63.6	458	56	WSW	1.2	"	0.2		Eclipse cleared from the west edge of the sun
2-55	541	915	73.5	63.8	465	56	WSW	2.4	"			
3-10	549	923	73.9	63.8	459	55	SW	3.2	"			
3-25	547	922	72.9	63.0	444	53	WSW	8.4	"			
3-40	524	929	72.7	62.8	440	52	WSW	4.0	"			
4-0	530	926	72.4	61.9	417	52	WSW	3.0	"			

Two hundred and fourteen miles from central line of totality. Greatest obscuration 9.

HOUR.	BAROMETER.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	WIND.		Cloud proportion.	Proportion of eclipse, totality %.	WEATHER AND OTHER REMARKS.
	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.					Direction.	Amount since preceding interval, in miles per hour.			
A.M.	"	"	0	0	"	%					
9-21	29.941	30.024	66.6	60.5	44.8	69	Calm	...	Nil	...	
9-29	'947	'029	68.8	61.5	45.1	64	ENE	...	"	...	Greyish pink haze on horizon.
9-54	'937	'019	70.0	61.6	43.6	59	NE	...	"	...	
10-9	'941	'023	70.8	61.4	41.9	55	NE	...	"	...	
10-24	'929	'011	71.8	61.7	41.8	54	NNE	...	"	...	Pinkish haze disappearing and turning blue.
10-39	'923	'005	72.7	63.0	44.8	55	WNW	...	"	...	
10-49	'920	'002	...	...	...	...	...	...	"	...
10-58	'915	29.997	73.0	62.9	44.1	55	Calm	2.4	"	...	
11-9	'912	'994	73.6	63.2	44.1	53	WNW	...	"	...	
11-24	'898	'978	74.5	63.5	44.1	52	WNW	...	"	...	
11-39	'893	'973	74.8	63.2	42.7	50	ENE	...	"	...	
11-44	'885	'965	...	...	...	...	...	...	"	...
11-54	'882	'962	75.6	63.9	43.9	50	WSW	2.6	2	...	Cirrus clouds appearing from south.
P.M.											Do. and scattering.
0-9	...	...	76.2	63.9	43.1	48	W	...	2	...	Clouds passing over sun.
0-14	'875	'955	...	...	...	...	...	...	...	...
0-24	'872	'952	76.8	64.0	42.6	46	W	...	2	...	Eclipse commenced at 0-31 P.M. from the south-west.
0-29	'870	'950	...	...	...	...	...	...	...	...
0-34	'869	'949	76.8	64.0	42.6	46	WSW	...	3	1	
0-39	'866	'946	77.0	64.1	42.6	46	SW	...	3	1	Cirrus cumulus clouds.
0-44	'865	'945	77.1	63.8	41.6	45	S	...	3	2	Do. do.
0-49	'861	'941	77.9	64.7	43.6	45	Calm	...	3	3	
0-54	'858	'938	76.8	63.7	41.7	46	Calm	4.0	3	3	
0-59	'854	'934	76.7	63.6	41.5	46	WNW	...	3	3	
1-4	'853	'933	76.1	63.2	40.7	45	W	...	3	3	
1-9	'852	'932	75.7	62.7	39.7	45	WNW	...	3	4	
1-14	'850	'930	...	...	...	...	...	...	...	...
1-19	'848	'928	75.8	63.4	41.8	46	WNW	...	3	4	
1-24	'847	'927	75.3	63.1	41.6	47	Calm	5.0	3	5	Cumulus clouds ashy white and sky bluish grey.
1-29	'846	'926	74.9	63.1	42.2	49	WNW	...	3	6	
1-34	'845	'925	74.5	63.5	44.1	52	WNW	...	3	7	
1-39	'846	'926	74.0	63.5	44.7	54	WNW	...	3	8	Cumulus clouds of ashy white and sky almost grey.
1-44	'845	'926	73.5	63.2	44.4	54	WNW	...	3	9	Greatest obscuration at 1-46 P.M.
1-49	'845	'926	73.8	63.2	45.3	56	WNW	...	3	9	
1-54	'844	'925	71.9	63.4	47.2	60	NW	2.6	2	8	
1-59	'843	'924	...	...	...	...	...	...	...	...
2-4	'841	'922	71.3	63.7	49.0	64	Calm	...	1	7	
2-9	'840	'921	71.1	63.7	49.1	64	Calm	...	1	6	
2-14	...	...	71.2	64.2	50.8	66	Calm	...	1	5	
2-19	'839	'920	71.9	64.9	52.3	67	Calm	...	Nil	4	
2-24	'838	'919	72.8	64.9	51.0	63	Calm	...	...	...
2-29	'837	'918	73.1	65.3	52.1	64	Calm	...	Nil	...	
2-34	'836	'917	...	...	...	...	...	...	...	...
2-39	'837	'918	73.8	64.7	49.1	59	Calm	...	"	1	
2-44	'837	'917	74.5	65.0	49.2	57	Calm	...	"	1	
2-49	'838	'918	74.8	64.7	47.8	56	NW	...	"	1	
2-54	'840	'920	75.0	64.7	47.5	55	WNW	...	"	0.5	
2-59	...	...	75.3	64.4	45.9	52	W	0.5	"	0	Eclipse ended.
3-9	'842	'922	75.6	63.7	43.7	49	WNW	...	"	...	
3-24	'847	'927	75.7	64.9	47.2	53	WNW	3.4	"	...	Fine clear weather.

No 43 Lat. 21° 31' N.

SAMBALPUR

Long 84° 1' E.

Two hundred and eighteen miles from central line of totality Greatest obscuration 9

Hour	BAROMETER		Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure	Relative humidity	Wind		Proportion of ecl. pos. total y. to.	WEATHER AND OTHER REMARKS
	Corrected and reduced to 32° F.	Reduced to sea level and constant gravity					Direction	Amount of air passing over in miles per hour		
Madras time										
A.M.	"	"	"	"	"	%				
9 45	29.599	30.053	69.5	60.9	42.2	59	SE			Fine clear weather
10-0	597	049	70.8	60.4	38.8	51	NW	2.4		Ditto
10 15	593	044	71.6	61.0	39.7	52	NW	2.4		Ditto
10-30	591	042	72.3	60.7	37.8	48	NW	2.0		Ditto
10 45	582	031	74.3	60.7	35.1	42	W	2.8		Ditto
11 0	576	025	74.1	61.2	37.0	43	N	2.0		Ditto
11 15	567	014	75.0	61.4	35.8	40	S	2.0		Ditto
11 30	559	006	76.3	61.4	34.7	38	S	2.0		Ditto
11-45	555	001	77.3	61.4	33.1	35	NW	2.8		Ditto
12-0	545	29.939	77.5	62.2	35.8	37	W	2.0		Ditto
P.M.										
0-15	539	983	78.0	61.4	32.5	34	SW	1.6		Ditto
0 30	539	971	78.8	61.3	31.1	31	NW	6.0		Ditto. Eclipse commenced between the hours of 0-30 P.M. and 0-45 P.M. from the south west.
0 45	521	964	79.0	62.2	33.8	33	NNE	2.0	1	Ditto
0 55	511	954	78.9	61.4	31.3	31	NNW	2.4	3	Hazy and sky yellowish colour
1 5	503	946	78.3	62.0	34.1	35	NW	2.4	4	Ditto
1 15	497	941	77.9	61.2	32.0	33	W	3.0	6	Ditto. So dim that a man 100 paces distant can not properly be recognized.
1 20	495	939	77.7	61.7	33.8	36	Calm	0	7	Ditto ditto.
1 25	490	935	76.5	61.4	34.5	38	Calm	0	8	Ditto ditto
1 30	480	926	75.8	61.2	35.0	39	Calm	0	9	Ditto ditto
1 35	482	928	75.5	61.5	36.1	41	Calm	0	8	Ditto ditto
1 40	484	931	75.3	62.0	36.0	43	Calm	0	7	Ditto ditto
1 45	485	933	75.3	62.0	38.0	43	Calm	0	6	Ditto ditto
1 55	490	936	75.5	61.8	27.1	42	Calm	0	5	Asby business
2 5	490	935	77.1	63.0	38.9	41	W	3.6	4	Ditto
2 15	491	937	78.1	63.2	38.2	38	W	7.8	3	Ditto
2 25	490	937	79.1	63.4	37.6	38	WSW	7.2	2	
2 35	493	935	79.5	62.0	32.4	32	SW	3.6	1	Eclipse ended at 2-45 P.M. on the N.E.
2 45	497	939	79.7	62.1	32.5	32	SW	4.2		Fine clear weather
3-0	497	939	80.1	63.0	34.9	34	SW	5.6		Ditto
3 15	490	937	80.3	62.6	33.3	33	SW	2.0		Ditto
3 30	497	938	80.6	62.7	33.2	32	SW	2.4		Ditto
3 45	497	939	80.1	62.9	34.6	34	SSW	3.6		Ditto

Two hundred and thirty-eight miles from central line of totality. Greatest obscuration 9.

Hour.	Barometer.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind.		Cloud proportion.	Proportion of eclipse, totality %.	Weather and other remarks.
	Corrected and reduced to $32^{\circ} F.$	Reduced to sea-level and constant gravity.					Direction.	Amount since preceding interval, in miles per hour.			
A.M.						%					
9-45	29.282	30.017	...	...	...	...	ENE	...	NH	...	
9-51	...	...	71.4	61.2	406	53	...	...	...	...
10-1	28.4	30.17	...	...	...	...	Calm	0.4	...	...
10-6	...	...	72.6	61.3	393	49	...	...	...	...
10-16	28.1	30.11	...	...	...	...	NE	0.4	...	...
10-22	...	...	74.4	62.2	398	46	...	...	...	...
10-31	27.5	30.03	...	...	...	...	ENE	3.0	...	...
10-41	...	...	75.1	62.3	392	44	...	...	...	...
10-51	26.8	29.996	...	...	...	...	ENE	1.5	...	...
11-1	...	...	75.8	62.3	383	43	...	...	...	...
11-11	26.4	29.91	...	...	...	...	...	...	...	...
11-16	25.8	29.81	...	...	...	...	...	...	...	...
11-21	25.6	29.79	...	...	...	...	WNW	1.8	...	...
11-31	...	...	75.7	62.4	348	33	Calm	0	...	...
11-36	...	...	79.0	62.4	344	34	NNE	1.2	...	...
11-41	...	...	79.6	62.7	345	34	...	...	...	...
11-51	24.2	29.63	...	...	...	...	...	...	...	...
11-56	23.5	29.55	...	...	...	...	...	...	...	...
P.M.											
0-1	23.3	29.53	...	...	...	...	ENE	2.6	...	...
0-11	...	...	80.1	61.6	302	30	NNW	2.4	...	...
0-16	...	...	80.1	61.8	309	30	NW	2.4	...	...	Eclipse commenced.
0-21	...	...	80.6	62.1	312	30	...	...	...	...
0-22	...	...	...	...	...	...	...	...	...	...
0-31	21.4	29.33	...	...	...	...	...	...	...	2	Perfect calmness in the atmosphere prevailed during and after the eclipse. The sky was perfectly clear, and blue all through. The sun at first seemed bright and red, but as it faded the colour changed to yellow, but afterwards it resumed its brightness.
0-36	20.6	29.24	...	...	...	...	...	...	...	...
0-41	...	...	81.1	62.8	329	31	ENE	1.5	...	...
0-46	...	...	80.9	62.8	334	32	NNE	1.2	...	3	
0-51	20.4	29.22	...	...	...	...	...	...	...	4	
0-56	20.2	29.21	...	...	...	...	NNE	0.9	...	...
1-6	...	...	80.4	63.0	344	33	NNE	0	...	5	
1-11	...	...	79.8	62.7	343	34	...	...	...	6	
1-21	20.0	29.20	...	...	...	...	...	...	...	7	
1-26	20.0	29.22	...	...	...	...	...	...	...	...
1-31	19.6	29.18	...	...	...	...	Calm	0	...	...
1-36	...	...	78.4	62.8	365	37	Calm	0	...	...
1-41	...	...	77.7	62.9	377	40	Calm	0	...	...
1-46	...	...	76.6	62.9	392	43	...	...	...	9	
1-51	18.4	29.09	...	...	...	...	...	...	...	...
1-56	18.5	29.10	...	...	...	...	Calm	0	...	...
2-6	...	...	75.8	62.7	396	44	Calm	0	...	...
2-11	...	...	76.7	63.0	391	43	...	...	...	...
2-16	...	...	...	...	...	...	...	...	...	8	
2-26	17.9	29.03	...	...	...	...	...	...	...	6	
2-31	17.9	28.99	...	...	...	...	...	...	...	5	
2-41	...	...	79.4	62.5	311	34	Calm	0	...	3	
2-46	...	...	79.5	62.5	340	34	Calm	0	...	2	
2-51	...	...	...	...	...	...	...	...	...	1	
3-1	18.1	29.10	...	...	...	...	...	...	...	...	At about 3 p.m. the sun was again full and round.
3-6	18.1	28.97	...	...	...	...	Calm	0	...	...
3-16	...	...	81.7	63.8	354	33	Calm	0	...	...
3-21	...	...	81.7	63.8	354	33	Calm	0	...	...

No. 45. Lat. $24^{\circ} 22' N$.

RAMPUR BOALIA.

Long. $88^{\circ} 39' E$.

Two hundred and fifty-three miles from central line of totality. Greatest obscuration 9.

Hour.	Barometer.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind.		Cloud proportion.	Proportion of eclipse, totality to.	Weather and other remarks.
	Madras time.	Corrected and reduced to $32^{\circ} F$.	Reduced to sea-level and constant gravity.				Direction.	Amount since preceding interval, in miles per hour.			
A.M.											
9-26	29'996	30'017	70'8	63'0	'473	63	ESE	...	Nil	...	Sky very clear.
9-41	992	'013	71'8	64'0	'493	63	E	0'8	"	...	Ditto.
9-56	988	'009	72'8	64'0	'480	59	ESE	1'2	"	...	Ditto.
10-11	'986	'007	73'8	64'5	'484	58	SSE	1'2	"	...	Ditto.
10-26	981	'002	74'6	63'0	'423	51	SSW	1'6	"	...	Ditto.
10-41	'916	29'997	74'8	62'0	'386	44	SW	0'8	"	...	Ditto.
10-56	'972	'993	75'8	63'0	'406	45	SW	0'8	"	...	Ditto.
11-11	'962	'982	76'7	63'5	'412	45	SSW	0'4	"	...	Ditto.
11-26	'955	'975	77'7	62'0	'348	37	SSW	1'6	"	...	Ditto.
11-41	'942	'962	77'9	62'5	'360	38	SSW	2'8	"	...	Ditto.
11-56	'936	'956	78'2	62'5	'358	37	WSW	1'6	"	...	Ditto.
P.M.											
0-11	'926	'946	78'2	62'0	'341	35	W	1'2	"	...	Ditto.
0-26	...	...	...	...	...	...	...	...	"	...	Ditto, eclipse commenced from SW.
0-41	'918	'938	78'2	62'5	'358	38	W	2'0	"	...	Ditto.
0-56	'916	'936	78'2	63'0	'374	39	...	...	"	...
0-11	'916	'936	78'5	63'1	'372	38	W	4'4	"	...	
0-46	'914	'934	78'2	63'0	'374	38	...	...	"	...
0-51	'912	'932	77'7	62'0	'348	37	...	...	"	...
0-56	'910	'930	77	63'0	'381	40	W	0'8	"	...	
1-1	'906	'926	77	62'0	'348	37	...	...	"	...
1-6	'904	'924	77'7	63'5	'397	42	...	...	"	...
1-11	'900	'920	77'5	62'5	'367	39	SSW	2'4	"	...	Sky hazy.
1-16	'900	'920	76'7	62'0	'361	39	...	...	"	...
1-21	'900	'920	76'7	62'0	'361	39	...	...	"	...
1-26	'902	'922	75'8	61'8	'366	41	WSW	3'2	"	...	Sky all round the horizon dusky colour
1-31	'902	'922	75'8	61'6	'366	41	...	...	"	...
1-36	'900	'921	74'8	61'5	'371	43	...	...	"	...	The rays of the sun at times somewhat bright and at times hazy and dim.
1-41	'900	'921	74'3	63'0	'426	50	Calm	0'8	"	...	Sky over head perfectly blue.
1-46	'901	'922	73'8	63'0	'433	52	...	...	"	...
1-49	...	...	...	...	...	...	...	...	"	...
1-51	'899	'920	73'3	63'0	'440	54	...	...	"	...	Greatest obscuration.
1-56	'899	'920	72'8	63'0	'446	55	Calm	0	"	...	
2-1	'899	'920	72'8	64'0	'480	59	Calm	...	"	...	
2-6	'897	'918	73'6	64'0	'470	57	Calm	...	"	...	
2-11	'895	'916	74'3	64'0	'460	54	Calm	0	"	...	
2-16	'895	'916	74'6	64'0	'457	54	Calm	...	"	...	
2-21	'893	'914	74'8	64'0	'453	53	...	...	"	...
2-26	'893	'914	75'3	64'0	'447	51	Calm	0	"	...	
2-31	'891	'912	75'8	63'0	'406	45	...	...	"	...
2-36	'891	'911	76'7	63'8	'420	46	...	...	"	...
2-41	'891	'911	76'7	63'0	'394	43	Calm	0	"	...	
2-46	'891	'911	76'7	63'0	'394	43	...	...	"	...
2-51	'891	'911	76'7	63'0	'394	43	...	...	"	...
2-56	'891	'911	76'7	63'0	'394	43	...	...	"	...
3-0	...	...	...	...	...	...	NNE	0'6	"	...	
3-1	'891	'911	77'7	64'0	'414	44	...	...	"	...
3-11	'893	'913	77'7	63'0	'381	40	...	...	"	...
3-26	'893	'913	77'7	63'0	'381	40	Calm	0'9	"	...	

No. 46. Lat. 12° 52' N.

MANGALORE.

Long. 74° 54' E.

Two hundred and fifty-eight miles from central line of totality. Greatest obscuration 9.

HOUR.	BAROMETER.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	WIND.		Cloud proportion.	Proportion of eclipse, totality 10.	WEATHER AND OTHER REMARKS.
	Corrected and reduced to 32° F.	Reduced to level of sea and constant gravity.					Direction.	Amount since preceding interval, in miles per hour.			
A.M.	"	"	"	"	"	%					
10-21	29.968	29.964	81.4	63.5	.347	33	ESE	2.6	Nil	...	Five clear weather throughout the day. At 10-21 A.M. hazy appearance over the west horizon with small patches of cirrocumulus clouds in the west. Sky perfectly clear towards east the outlines of the high hills being clearly defined.
10-36	29.97	29.963	82.6	64.6	.360	33	NNE	5.2	"	...	
10-51	29.97	29.963	83.2	65.2	.382	33	ENE	4.4	"	...	
11-6	29.962	29.958	84.1	64.5	.346	30	ENE	3.6	"	...	
11-21	29.960	29.956	84.6	64.2	.327	27	ENE	3.2	"	...	
11-36	29.956	29.951	85.1	64.0	.316	26	ENE	3.6	"	...	
11-41	29.954	29.949	85.5	63.9	.307	25	ENE	4.8	"	...	
11-46	29.951	29.946	85.7	63.4	.287	22	R	3.6	"	...	
11-51	29.948	29.943	85.3	63.3	.289	23	SSK	2.4	"	...	
11-56	29.946	29.941	85.2	64.0	.334	28	Calm	1.2	"	...	
P.M.											
0-1	29.947	29.942	85.1	64.1	.319	26	S	1.2	"	2	At 0-1 P.M. watched the sky and small clouds, but no change of colour visible.
0-6	29.945	29.940	85.1	64.2	.321	26	Calm	2.4	"	1"	
0-11	29.942	29.937	85.3	64.0	.313	25	S	2.4	"	1	
0-16	29.942	29.937	85.0	63.7	.311	24	WNW	1.2	"	1	
0-21	29.943	29.939	84.2	63.7	.311	35	WSW	1.2	"	2	
0-26	29.939	29.935	83.7	63.2	.306	39	ENE	1.2	"	2	
0-31	29.937	29.933	84.0	63.5	.303	39	WNW	3.6	"	3	
0-36	29.933	29.929	83.8	63.5	.303	39	WNW	3.6	"	3	
0-41	29.931	29.927	83.4	63.9	.308	39	WNW	3.6	"	4	
0-46	29.929	29.925	83.8	63.5	.323	39	WNW	3.6	"	5	
0-51	29.930	29.926	82.5	63.9	.416	38	WNW	3.6	"	5	
0-56	29.926	29.922	82.5	63.4	.434	39	WNW	3.6	"	6	
1-1	29.924	29.920	82.1	63.3	.435	39	WSW	2.4	"	7	
1-6	29.922	29.918	81.8	63.3	.439	40	WSW	1.2	"	7	
1-11	29.918	29.914	81.3	63.8	.427	40	SSW	1.2	"	9	
2-16	29.918	29.914	81.2	63.0	.438	41	Calm	1.2	"	9	
2-21	29.914	29.910	80.9	63.4	.455	43	Calm	1.2	"	8	
2-26	29.912	29.908	81.1	63.7	.462	44	WNW	1.2	"	8	
2-31	29.910	29.906	80.9	63.3	.451	43	NNW	2.4	"	7	
2-36	29.906	29.902	81.0	63.4	.454	43	NNW	1.2	"	7	
2-41	29.904	29.900	81.2	63.0	.438	41	NNW	2.4	"	6	
2-46	29.904	29.900	81.6	63.7	.455	42	S	2.4	"	6	
2-51	29.902	29.898	81.6	63.8	.460	43	WNW	3.6	"	5	
2-56	29.902	29.898	82.2	67.4	.474	43	WNW	2.4	"	4	
3-1	29.900	29.896	82.2	66.9	.455	41	WNW	2.4	"	4	
3-6	29.900	29.896	82.4	66.3	.431	39	WNW	3.6	"	3	
3-11	29.900	29.896	82.8	66.8	.444	40	WSW	2.4	"	2	
3-16	29.897	29.893	83.2	67.4	.400	40	W	3.6	"	2	
3-21	29.897	29.893	83.2	66.9	.441	39	WNW	3.6	"	1	
3-26	29.897	29.893	83.5	66.9	.438	38	WNW	3.6	"	...	
3-31	29.897	29.893	83.7	67.3	.448	38	WNW	4.8	"	...	
3-36	29.897	29.893	83.6	67.2	.446	38	WNW	4.8	"	...	
3-41	29.894	29.890	84.0	67.5	.453	39	WNW	4.8	"	...	
3-46	29.892	29.888	84.1	68.1	.474	40	WNW	4.8	"	...	
3-51	29.892	29.888	84.1	67.4	.449	38	WNW	4.8	"	...	
4-6	29.892	29.888	83.5	67.7	.467	40	NNW	4.4	"	...	
4-11	29.892	29.888	83.7	67.3	.448	38	WNW	4.0	"	...	
4-16	29.892	29.888	83.3	68.1	.413	35	NW	4.4	"	...	
4-21	29.892	29.888	83.9	67.2	.444	38	WNW	4.8	"	...	

No 47 Lat 24° 52' N.

BOGRA.

Long 89° 27' E.

Two hundred and sixty four miles from central line of totality Greatest obscuration 9

Hour	Barometer		Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure	Relative humidity	Wind direction & force	Cloud proportion	Proportion of eclipse total by 20	Weather and other remarks
	Madras time	Corrected and reduced to 32° F								
A M	"	"	"	"	"	"	"	"	"	
9 23	29.997	30.012	70.7	59.8	370	50	NE	Nil	.	Fine, clear weather, blue sky
9 38	30.001	30.016	70.9	60.0	374	49	NE	"	.	
9 53	29.993	30.013	71.7	61.0	390	51	NE	"	..	
10 8	29.998	30.013	72.7	61.6	401	51	Calm	"	.	
10 23	29.994	30.009	73.3	62.8	367	45	Calm	"	.	Ditto
10 38	29.990	30.005	74.1	61.2	369	43	N	"	.	Ditto
10 53	29.986	30.001	74.6	61.2	363	42	N	"	.	Ditto
11 8	29.976	29.991	74.8	61.4	367	42	N	"	.	Ditto
11 23	29.967	29.981	75.4	61.0	345	39	Calm	"	...	Ditto
11 38	29.957	29.971	76.4	61.6	352	38	Calm	"	.	Ditto
11 53	29.951	29.965	76.4	61.4	346	38	Calm	"	.	Ditto
P M	"	"	"	"	"	"	"	"	"	
0 8	29.943	29.957	77.6	62.8	356	40	Calm	"	.	Ditto
0 23	29.933	29.947	77.4	62.0	331	37	Calm	"	.	Ditto
0 38	29.927	29.941	77.8	61.8	340	36	Calm	"	0.5	Ditto
0 53	29.923	29.937	78.0	62.6	363	38	Calm	"	1.	At the commencement of the eclipse the sky gradually changed in colour into a leaden hue and during the total obscuration the sky assumed a leaden pice and the light was very considerably diminished
0 58	29.918	29.932	77.8	61.8	340	36	Calm	"	2	
1 3	29.916	29.930	77.6	61.8	342	36	Calm	"	3	
1 8	29.914	29.928	76.8	61.0	327	35	Calm	"	3	
1 13	29.914	29.928	76.8	60.8	323	33	Calm	"	3	
1 18	29.910	29.924	76.6	61.4	343	37	Calm	"	4.5	
1 23	29.910	29.924	77.0	62.6	376	41	Calm	"	4.5	
1 28	29.910	29.924	76.8	62.2	367	40	Calm	"	6	
1 33	29.910	29.924	76.6	62.0	363	40	Calm	"	7	
1 38	29.908	29.922	75.8	61.8	366	41	Calm	"	8	
1 43	29.906	29.921	74.5	61.4	372	43	Calm	"	8	
1 48	29.902	29.917	73.7	61.2	375	45	Calm	"	8	
1 53	29.902	29.917	73.7	61.0	382	47	Calm	"	9	
1 58	29.903	29.917	72.9	61.8	405	51	Calm	"	8	
2 3	29.907	29.922	72.1	61.2	396	50	Calm	"	7	
2 8	29.907	29.922	71.7	61.8	420	54	Calm	"	6	
2 13	29.907	29.922	71.9	62.2	431	55	Calm	"	5	
2 18	29.910	29.925	71.9	62.6	445	57	Calm	"	4	
2 23	29.912	29.927	72.5	63.0	450	56	Calm	"	3	
2 28	29.905	29.920	72.7	62.8	440	54	Calm	"	2	
2 33	29.903	29.918	73.7	63.4	448	54	Calm	"	2	
2 38	29.903	29.918	74.1	64.2	469	55	Calm	"	1.5	
2 43	29.904	29.919	74.8	63.8	447	52	Calm	"	1	
2 48	29.906	29.920	75.4	63.2	418	47	Calm	"	0.8	
2 53	29.904	29.918	75.6	63.8	436	49	Calm	"	0.5	
2 58	29.904	29.918	76.0	62.8	396	45	Calm	"	0.3	
3 3	29.904	29.918	76.4	62.2	371	41	Calm	"	0.1	
3 8	29.904	29.918	76.6	62.0	363	40	Calm	"	.	
3 23	29.905	29.920	76.6	62.8	389	43	Calm	"	.	

* Wind direction ascertained from the flow of dust thrown in the air

No. 48 Lat. 24° 6' N.

BERHAMPORE.

Long. 88° 17' E.

Two hundred and sixty-four miles from central line of totality. Greatest obscuration 9.

Hour.	Barometer.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind.		Amount since preceding interval, in miles per hour.	Cloud proportion.	Proportion of eclipse, totality is.	Weather and other remarks.
	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.					Direction.	Force.				
Madras time.												
A.M.												
9-28	30.028	30.035	69.7	60.4	403	55	Calm	...	Nil	...		
9-43	011	028	71.6	61.8	422	55	Calm	0	"	...		
9-58	005	022	72.7	62.4	428	53	Calm	0.4	"	...		
10-13	001	018	74.1	63.0	430	51	Calm	0.4	"	...		
10-28	29.995	011	75.0	63.1	419	48	S	0.4	"	...		
10-43	990	006	75.1	63.1	419	48	SSW	0.8	"	...		
10-58	984	000	75.9	62.6	391	44	WSW	1.2	"	...		
11-13	971	29.987	76.9	64.1	428	46	Calm	1.6	"	...		
11-28	970	988	77.2	64.6	441	48	W	1.2	"	...		
11-43	969	973	77.8	64.4	426	44	Calm	2.4	"	...		
11-58	949	965	78.1	64.1	412	43	SW	1.2	"	...		
P.M.												
0-13	938	954	78.4	64.0	404	41	SW	4.4	"	...		
0-18	932	948	78.9	63.4	378	38	SSW	9.6	"	0.5	Eclipse began from S. W.	
0-28	932	948	79.4	64.0	390	38	Calm	3.0	"	1		
0-33	930	946	79.2	64.0	394	39	Calm	2.4	"	1.5		
0-38	931	947	79.1	64.0	396	40	SW	3.6	"	2		
0-43	928	944	79.0	63.9	394	40	SSW	3.6	"	3		
0-48	922	938	78.9	63.9	395	40	SSW	9.6	"	3.5		
0-53	921	937	79.1	63.7	384	38	SSW	3.6	"	4		
0-58	920	936	79.5	63.9	389	38	SSW	6.0	"	4.5		
1-3	918	934	79.1	63.2	367	37	W	4.8	"	5		
1-8	916	932	78.9	63.3	375	38	SSW	3.6	"	5.3	Hazy. Dim light.	
1-13	913	929	78.6	63.1	369	38	Calm	1.2	"	6	" "	
1-18	914	930	78.9	63.9	395	40	SSW	4.8	"	7	" "	
1-23	911	927	78.6	63.1	372	38	SSW	4.8	"	8	Light getting dark.	
1-28	910	926	77.6	63.1	385	41	SW	4.8	"	9	" still darker.	
1-33	909	925	77.7	63.1	384	41	Calm	0	"	9	" Ditto.	
1-38	911	927	77.7	63.9	411	43	Calm	0	"	9	" Something like light cloud passed	
1-43	909	925	77.6	63.7	404	43	Calm	0	"	9	" Clouds visible.	
1-48	907	923	76.9	64.3	436	47	Calm	0	"	9	Light brighter.	
1-53	905	921	75.9	64.2	445	50	Calm	0	"	9	" still brighter.	
1-58	904	920	75.5	64.1	446	50	Calm	0	"	8.5	" getting brighter.	
2-3	904	921	74.8	64.2	462	54	Calm	0	"	8		
2-8	906	922	75.0	63.9	448	52	Calm	0	"	7		
2-13	906	922	75.0	65.1	487	56	Calm	0	"	6		
2-18	906	922	75.6	65.0	477	54	Calm	0	"	4.5		
2-23	906	922	76.1	65.1	474	53	Calm	0	"	4		
2-28	906	922	76.1	65.1	474	53	Calm	0	"	3		
2-33	903	919	77.0	64.6	443	48	Calm	0	"	3		
2-38	903	919	77.4	64.4	432	46	Calm	0	"	2		
2-43	903	919	77.6	64.2	422	44	Calm	0	"	1.5		
2-48	903	919	77.9	64.9	443	46	Calm	0	"	1		
2-53	900	916	78.4	64.9	436	45	Calm	0	"	0.5	Eclipse ended.	
2-58	900	916	78.8	64.6	421	42	SSW	3.6	"	...		
3-3	902	918	78.9	64.1	402	40	Calm	1.2	"	...		
3-28	906	922	78.9	64.1	402	40	Calm	1.6	"	...		

Three hundred and sixteen miles from central line of totality. Greatest obscuration 9.

Hour.	Baromet. ther.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure	Relative humidity.	Wind.		Cloud			Proportion of eclipse, totality to.	Weather and other remarks.
						Direction.	Amount since pre- ceding interval, in miles per hour.	Direction.	Kind.	Direction of motion.		
Madras time.	Corrected and reduced to 32° F.				%							
A.M.	"	"	"	"	"							
10-0	26° 27'	67° 7'	57° 2'	348	51	E	...	NH.	...	...	...
10-15	26° 3'	68° 0'	57° 5'	354	52	SE	76	"	...	...	...
10-30	26° 3'	68° 5'	57° 9'	353	52	S	32	"	...	...	...
10-45	26° 2'	68° 0'	57° 2'	344	50	SE	88	"	...	...	...
11-0	26° 2'	68° 7'	57° 7'	352	50	SE	108	"	...	...	...
11-15	27° 8'	69° 2'	59° 2'	390	54	E	72	"	...	...	...
11-30	27° 4'	70° 0'	58° 8'	397	51	S	36	"	...	...	...
11-45	27° 2'	72° 0'	59° 6'	367	46	ESE	83	"	...	...	...
11-45	27° 2'	72° 0'	59° 6'	367	46	SE	72	"	...	...	...
11-55	27° 3'	72° 2'	59° 7'	370	47	ESE	60	"	...	...	...	Eclipse commenced at about 11-45 A.M. from WSW.
11-58	27° 3'	72° 4'	59° 5'	360	46	SE	48	"	...	...	...
P.M.												
0-3	26° 9'	70° 0'	58° 8'	367	50	SE	24	"	...	...	...
0-8	26° 9'	71° 2'	59° 8'	359	43	SE	12	"	...	...	...
0-13	27° 1'	72° 7'	59° 9'	369	46	SE	12	"	...	...	...
0-18	27° 1'	72° 3'	59° 9'	372	46	E	60	"	...	...	...
0-23	26° 9'	73° 0'	59° 5'	345	47	E	0	"	...	...	...
0-28	26° 2'	72° 0'	59° 0'	377	45	E	0	"	...	...	...
0-33	26° 0'	72° 6'	59° 8'	367	46	ESE	24	"	...	...	...
0-38	25° 6'	72° 0'	59° 7'	371	47	ESE	12	"	...	...	...
0-43	25° 3'	72° 5'	59° 9'	372	47	ESE	24	"	...	...	...
0-45	24° 9'	71° 4'	59° 7'	378	50	ESE	36	"	...	...	...
0-53	24° 0'	71° 3'	59° 8'	382	50	ESE	12	"	...	...	...
0-58	24° 1'	71° 3'	60° 1'	391	51	ESE	0	"	...	...	...
1-3	24° 0'	70° 2'	59° 5'	386	53	ESE	12	"	...	...	...
1-8	24° 1'	70° 3'	59° 7'	392	53	ESE	0	"	...	...	...
1-13	23° 9'	70° 2'	59° 8'	394	53	ESE	0	"	...	...	...
1-18	23° 8'	69° 3'	59° 3'	391	54	ESE	0	"	...	...	...
1-23	23° 8'	69° 3'	59° 2'	389	54	ESE	0	"	...	...	...
1-28	23° 4'	69° 7'	59° 7'	399	55	ESE	0	"	...	...	...
1-33	23° 3'	69° 8'	59° 9'	401	55	ESE	0	"	...	...	...
1-38	23° 0'	70° 0'	60° 6'	420	58	ESS	0	"	...	...	...
1-43	22° 8'	70° 3'	60° 7'	421	57	ESE	0	"	...	...	...
1-48	22° 9'	70° 3'	60° 5'	415	56	ESE	0	"	...	...	...
1-53	22° 1'	71° 0'	60° 9'	419	56	ESE	0	"	...	...	...
1-58	22° 8'	70° 0'	59° 8'	397	54	ESE	0	"	...	...	...
2-3	22° 8'	69° 7'	59° 6'	396	55	ESE	0	"	...	...	...
2-8	22° 7'	70° 0'	59° 8'	397	54	SE	0	"	...	...	...
2-13	22° 6'	70° 3'	59° 9'	396	53	SE	12	"	...	...	...
2-18	22° 3'	70° 2'	60° 1'	405	55	SE	24	"	...	...	...
2-23	22° 3'	71° 0'	60° 8'	415	55	SE	24	"	...	...	...
2-28	22° 1'	70° 4'	60° 7'	419	56	SSW	48	"	...	...	...
2-33	22° 0'	72° 5'	61° 1'	407	51	SSW	24	"	...	...	...
2-38	21° 8'	73° 2'	62° 2'	434	53	SSW	12	"	...	...	...
2-43	21° 7'	74° 0'	62° 3'	427	51	SSW	0	"	...	...	...
2-58	21° 6'	74° 0'	62° 2'	424	50	SW	0	"	...	...	...
3-13	21° 2'	72° 7'	61° 2'	409	51	SW	24	"	...	...	...
3-18	21° 0'	72° 7'	61° 5'	418	53	S	28	"	...	...	...
3-43	21° 0'	74° 0'	62° 7'	440	53	W	28	"	...	...	...
3-58	21° 6'	73° 8'	61° 9'	416	49	WNW	16	"	...	...	...
4-23	22° 4'	73° 3'	62° 5'	441	54	NW	44	"	...	...	...

Three hundred and twenty-five miles from central line of totality. Greatest obscuration 9.

Hour.	BAROMETER.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind.		Cloud proportion.	Proportion of eclipse, totality so.	WEATHER AND OTHER REMARKS.
	Corrected and reduced to $32^{\circ} F$.	Reduced to sea-level and constant gravity.					Direction.	Amount since preceding interval, in miles per hour.			
A.M.	"	"	"	"	"	%					
10-9	29.507	30.041	72.2	59.3	.333	42	NW	...	Nil	..	The sky was perfectly clear during the whole day.
10-24	'513	'047	72.4	59.4	.335	42	NW	8.0	"	"	
10-39	'509	'041	74.2	60.3	.338	40	NW	8.3	"	"	
10-54	'504	'034	75.0	60.5	.336	39	NW	10.0	"	"	
11-9	'502	'030	76.2	61.5	.352	39	NW	8.0	"	"	
11-24	'495	'021	77.2	62.1	.358	38	NW	8.4	"	"	Eclipse was seen to commence from south-west.
11-39	'491	'017	77.3	62.3	.363	38	N	8.0	"	"	
11-54	'486	'011	78.0	62.5	.360	38	NW	7.2	"	"	
P.M.	"	"	"	"	"						
0-9	'483	'008	78.2	62.4	.354	37	NW	8.0	"	..	
0-14	'479	'005	77.4	61.5	.335	37	NW	9.6	"	1	
0-19	'471	29.996	77.7	62.3	.356	38	NW	8.4	"	"	
0-24	'471	'996	78.2	62.3	.350	36	NW	7.2	"	2	
0-29	'466	'991	78.2	62.3	.350	36	NW	7.2	"	3	
0-34	'464	'989	78.3	62.3	.350	36	NW	9.6	"	"	
0-39	'464	'988	79.1	63.1	.365	37	NW	9.6	"	"	
0-44	'464	'988	79.2	63.3	.369	37	NW	4.8	"	"	The sunshine began to fade and turned greyish.
0-49	'462	'986	79.3	63.5	.376	37	NW	4.8	"	4	
0-54	'458	'982	78.7	63.1	.372	38	NW	8.4	"	"	
0-59	'458	'982	79.2	63.4	.374	37	NW	4.8	"	"	
1-4	'456	'980	79.2	63.3	.369	37	NW	3.6	"	6	
1-9	'456	'981	78.2	63.1	.378	39	NW	6.0	"	7	It began to grow slightly dusky.
1-14	'454	'979	77.7	62.5	.364	38	NW	4.8	"	...	
1-19	'452	'978	77.0	62.3	.367	39	NW	6.0	"	"	
1-24	'448	'973	77.2	62.5	.371	40	NW	2.4	"	"	
1-29	'448	'973	77.2	63.1	.391	42	NW	3.6	"	8	
1-34	'444	'970	76.2	62.5	.384	43	N	7.2	"	"	It became quite dusky.
1-39	'443	'970	75.6	63.1	.412	46	NW	4.8	"	9	
1-44	'443	'971	75.2	63.3	.423	48	NW	3.6	"	8	
1-49	'440	'968	75.0	63.3	.427	49	NW	3.6	"	"	
1-54	'438	'967	74.9	62.7	.408	47	NW	3.6	"	7	
1-59	'436	'964	75.2	63.3	.423	48	NW	2.4	"	4	Bright sunshine began to prevail.
2-4	'436	'963	75.9	63.5	.420	47	NW	3.6	"	3	
2-9	'434	'959	76.8	63.3	.403	44	NW	2.4	"	2	
2-14	'434	'959	76.8	63.9	.422	46	NW	1.2	"	"	
2-19	'436	'961	77.2	63.9	.418	45	NW	4.8	"	"	
2-24	'434	'958	78.2	64.3	.416	43	NW	2.4	"	1	At 2-56 P.M. eclipse ended at north-east.
2-29	'434	'958	78.2	64.3	.416	43	SW	2.4	"	"	
2-34	'434	'957	79.2	64.7	.419	42	SW	4.8	"	"	
2-39	'434	'956	79.6	63.3	.365	36	NW	4.8	"	"	
2-44	'434	'956	80.3	63.8	.373	36	NW	3.6	"	"	
2-49	'434	'955	80.5	64.7	.401	39	NW	4.8	"	"	At 2-56 P.M. eclipse ended at north-east.
2-54	'434	'956	80.4	64.2	.385	36	NW	3.6	"	...	
2-59	'434	'955	80.6	64.4	.389	37	SW	4.8	"	"	
3-14	'434	'956	80.2	64.6	.402	40	NW	5.6	"	"	
3-29	'433	'955	79.8	63.3	.363	35	NW	6.8	"	"	
3-44	'437	'959	79.8	63.3	.363	35	NW	8.4	"	"	The sky was perfectly clear during the whole day.
3-59	'441	'965	80.1	63.6	.369	36	NW	7.2	"	"	
4-9	'440	'962	80.1	62.3	.326	31	NW	3.6	"	"	

Three hundred and forty miles from central line of totality Greatest obscuration 9

Hour	Barometer		Dry bulb Corrected	Wet bulb Corrected	Aqueous vapor pressure	Relative humid ity	Wind		Cloud propor tion	Proportion of eclipse, totality 10	WEATHER AND OTHER REMARKS
	Corrected and reduced to 32°	Reduced to sea level and constant gravity					Direction	Amount in feet per hour			
AM	"	"	"	"	"	%					
10 31	29.912	29.978	82.1	59.9	223	21	ENE		Nil		The sky was clear throughout. Birds ceased flying during the eclipse of the sun (from proportion 4 to 9) and rested in their nests or trees etc.
10 46	913	979	83.2	60.2	215	19	ENE	3.2			
11 1	913	98	84.5	61.2	231	19	ENE	4.8			
11 16	908	973	85.2	60.9	215	17	E	4.4			
11 31	901	966	86.1	60.9	202	16	SSE	7.6		0.1	
11 41	896	959	86.5	61.7	220	17	SSE	6.0		0.3	
11 46	892	956	87.1	62.2	220	18	SE	11.9		0.5	
11 51	890	954	87.3	62.4	132	18	SE	3.7		0.8	
11 56	887	951	87.7	62.7	237	18	SSE	4.8		1.0	
PM											
0 1	885	949	88.1	62.9	240	18	ESN	5.6		1.5	
0 6	885	949	88.2	63.0	240	18	ESE	4.6		1.8	
0 11	884	948	88.3	62.9	235	18	ESE	3.0		2.0	
0 16	881	945	88.3	62.7	230	17	FSE	5.6		2.3	
0 21	874	937	88.9	62.2	205	15	SE	5.2		2.5	
0 26	871	935	88.1	61.9	207	16	SE	4.1		2.8	
0 31	869	933	87.9	61.8	205	16	ESE	7.3		3.0	
0 36	867	931	87.9	62.1	215	16	ESE	5.0		3.3	
0 41	864	928	88.0	62.8	237	18	ESE	3.6		4.0	
0 46	862	926	87.9	62.7	224	18	ESE	2.5		4.5	
0 51	861	925	87.6	62.6	235	18	ESE	2.5		5.0	
0 56	859	920	87.5	62.9	248	19	ESE	4.2		5.5	
1 1	859	923	86.7	61.8	221	17	ESE	1.4		6.0	
1 6	856	920	86.5	61.6	217	17	ESE	3.3		6.5	
1 11	851	916	86.1	61.3	213	16	SE	2.0		7.0	
1 16	849	914	85.9	61.7	228	19	SSE	1.7		8.0	
1 21	845	910	85.8	62.7	263	22	SSE	2.9		9.0	
1 26	845	910	85.8	63.0	273	22	SSE	1.3		8.5	
1 31	844	909	85.7	63.8	300	24	SSE	1.8		8.0	
1 36	843	910	85.8	63.8	299	24	SSE	0.1		7.5	
1 41	844	909	85.8	63.7	296	24	SSE	0.2		7.0	
1 46	836	901	86.1	64.5	322	26	SSE	0.4		6.0	
1 51	835	897	86.8	64.9	324	25	SSE	0.2		5.0	
1 56	833	897	86.7	65.0	300	21	SSE	0.1		4.0	
2 1											
2 6	834	898	86.5	61.9	328	18	SSE	0		3.0	
2 11	834	896	87.0	62.7	250	19	SSE	0.6		2.0	
2 16	832	895	87.6	63.1	253	19	SSE	0.8		1.5	
2 21	831	894	87.7	62.5	230	18	SSE	0.7		1.3	
2 26	833	897	87.8	61.8	206	16	SSE	0.8		1.0	
2 31	830	894	88.3	62.8	232	18	SSE	1.2		0.8	
2 36	830	893	89.0	64.3	273	20	SSE	0.7		0.5	
2 41	827	890	88.9	63.1	234	17	SSE	1.3		0.3	
2 46	828	891	89.1	61.8	189	13	SSE	1.0		0.1	
3 1											
3 16	829	892	90.3	64.6	267	19	ENE	2.2			
3 21	826	889	90.1	64.3	260	18	FNE	2.5			
3 26	825	888	90.1	63.8	242	17	ENE	2.6			
3 31	825	889	89.9	64.5	268	19	ENE	1.8			
4 1	831	894	89.6	63.7	245	18	NE	2.4			
4 16	835	896	89.0	62.9	228	17	ENE	1.8			
4 21	835	899	88.6	63.9	266	20	NNE	0.8			

No. 52. Lat. 26° 10' N.

DARBHANGA:

Long. 86° 0' E.

Forty-seven miles from central line of totality. Greatest obscuration 8.

Hour.	BAROMETER.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	WIND.		Cloud proportion.	Proportion of eclipse, totality 10.	WEATHER AND OTHER REMARKS.
	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.					Direction.	Amount since preceding interval, in miles per hour.			
A.M.											
9-37	29.902	30.028	68.9	60.4	.414	58	ESE	...	Nil	...	
9-52	.893	.019	69.1	60.4	.411	57	SSE	1.6	"	...	
10-7	.890	.016	69.9	61.4	.433	59	SSE	22.8?	"	...	
10-22	.885	.011	71.1	62.0	.437	57	SSE	0.8	"	...	
10-37	.881	.006	72.3	62.3	.430	54	SSE	0.4	"	...	
10-52	.869	.29.994	72.9	62.3	.422	52	SSE	2.0	"	...	
11-7	.864	.989	73.3	62.3	.416	51	SSE	4.0	"	...	
11-22	.850	.975	74.9	62.9	.415	48	SSE	1.6	"	...	
11-37	.850	.975	74.9	62.9	.415	48	SSE	0	"	...	
11-52	.843	.967	75.3	63.0	.413	47	SSE	2.4	"	...	
P.M.											
0-7	.839	.964	74.9	63.0	.416	48	SSE	1.6	"	...	
0-12	.837	.962	74.9	63.0	.418	48	SSE	2.4	"	...	
0-17	.830	.954	75.1	63.0	.416	48	SSE	4.8	"	...	
0-22	.828	.952	75.1	63.0	.416	48	...	...	"	2	
0-27	.826	.950	75.1	63.0	.416	48	...	...	"	...
0-32	.824	.948	75.1	63.1	.419	48	SSE	4.8	"	...	
0-37	.822	.946	75.7	63.3	.417	46	...	...	"	...
0-42	.817	.941	75.7	63.9	.438	49	...	...	"	...
0-47	.817	.941	75.7	63.6	.428	49	SSE	18.0	"	4	
0-52	.815	.939	75.7	63.9	.438	49	...	...	"	...
0-57	.812	.936	75.5	63.3	.420	47	...	...	"	...
1-2	.812	.936	75.3	63.3	.423	48	SSE	2.0	"	...	
1-7	.808	.932	75.7	63.3	.417	46	...	...	"	...
1-12	.807	.931	75.4	63.1	.415	47	...	...	"	6	
1-17	.807	.931	74.9	62.9	.415	48	SSE	2.4	"	...	
1-22	.805	.930	74.5	62.1	.393	45	...	...	"	...
1-27	.805	.930	74.5	62.1	.393	45	...	...	"	...
1-32	.803	.928	74.1	62.1	.399	47	SSE	0.8	"	8	
1-37	.800	.925	73.9	62.1	.402	48	...	...	"	...
1-42	.798	.923	73.4	63.1	.442	54	...	...	"	...
1-47	.797	.922	72.4	63.5	.468	58	SSE	0.8	"	...	
1-52	.794	.919	71.4	63.5	.481	62	...	...	"	...
1-57	.796	.921	71.1	63.1	.472	62	...	...	"	...
2-2	.797	.922	69.9	63.1	.488	67	SSE	0	"	...	
2-7	.797	.921	72.9	63.5	.461	57	...	...	"	...
2-12	.795	.920	70.5	64.1	.514	68	...	...	"	...
2-17	.795	.920	71.1	64.9	.533	69	Calm	0	"	...	
2-22	.791	.915	71.7	64.9	.526	67	...	...	"	...
2-27	.790	.914	72.9	64.9	.510	63	...	...	"	...
2-32	.790	.914	73.3	64.9	.504	60	SSE	2.0	"	...	
2-37	.790	.914	74.7	63.7	.444	52	...	...	"	...
2-42	.789	.913	74.9	63.5	.435	50	...	...	"	...
2-47	.789	.913	74.9	63.5	.435	50	SSE	0	"	...	
2-52	.789	.913	74.9	63.3	.429	50	...	...	"	...
2-57	.789	.913	74.9	63.4	.432	50	...	...	"	...
3-2	.789	.913	74.9	63.1	.422	49	Calm	0	"	...	
3-7	.789	.913	74.9	63.1	.422	49	...	...	"	...
3-12	.789	.913	74.9	63.1	.422	49	...	...	"	...
3-17	.789	.913	74.9	62.7	.408	46	SSE	3.2	"	...	
3-22	.789	.913	74.9	62.7	.408	46	...	...	"	...
3-27	.789	.913	74.9	62.7	.408	46	...	...	"	...
3-32	.789	.913	74.9	62.7	.408	46	SSE	2.0	"	...	
3-37	.789	.913	74.9	62.5	.401	45	SSE	2.4	"	...	

F no clear weather

No 53 Lat 26° 46' N

GORAKHPUR

Long 86° 18' E

Ninety-one miles from central line of totality Greatest obscuration 8

Hour	Barometer		Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure	Relative humidity	Wind		Cloud proportion	Weather and other remarks
	Corrected and reduced to 32° F	Reduced to sea-level and constant gravity					Direction	Amount since passed at interval in miles per hour		
Madras time	"	"	"	"	"	%	"	"	"	"
AM										
9 48	29 772	30 001	63.7	56.6	366	63	SSE			Fine clear weather throughout.
9 53	771	000	64.2	57.1	375	63	R	1.2		
9 58	771	29 999	65.2	57.6	376	61	NNE	1.2		
10 3	769	998	65.6	58.1	386	61	NNE	2.2		Eclipse commenced Decrease in brightness of day commenced to be noted Decrease in brightness marked Sun obscured decrease in brightness very marked Do commenced to clear Eclipse terminated
10 8	768	996	66.2	58.3	389	59	NNE	9.6		
10 13	768	996	66.2	58.3	389	59	E	2.4		
10 18	765	993	66.7	58.6	387	60	NNE	2.4		
10 23	765	993	67.0	58.9	392	60	Calm	0		
10 28	765	993	67.2	59.0	392	59	SSE	1.2		
10 33	765	993	67.7	59.6	405	60	SSE	2.4		
10 38	764	992	68.4	59.6	395	57	E	2.4		
10 43	763	990	68.5	59.6	394	56	E	1.2		
10 48	763	990	69.0	60.1	402	56	Calm	0		
10 53	759	986	69.4	60.1	398	55	SE	1.2		
10 58	758	984	69.6	60.1	395	54	NNE	2.4		
11 3	758	984	69.7	60.2	397	54	E	1.2		
11 8	758	984	70.2	60.5	400	54	Calm	0		
11 13	754	980	70.5	60.2	385	52	NE	1.2		
11 18	754	980	70.7	60.3	386	51	NE	1.2		
11 23	753	979	71.0	60.4	386	51	Calm	0		
11 28	745	971	71.3	60.6	390	51	NE	2.4		
11 33	745	971	71.6	61.1	400	52	NE	1.2		
11 38	739	966	71.7	61.1	399	52	SE	1.2		
11 43	739	966	71.7	61.1	399	52	E	1.2		
11 48	733	958	71.9	61.1	396	51	NNE	1.2		
11 53	733	958	72.4	61.1	389	49	Calm	0		
11 58	733	958	72.8	61.1	384	47	N	1.2		
PM										
0 3	725	950	73.1	61.1	376	46	Calm	0		Eclipse terminated Decrease in brightness of day commenced to be noted Decrease in brightness marked Sun obscured decrease in brightness very marked Do commenced to clear Eclipse commenced
0 8	725	950	73.1	61.1	376	46	NW	1.2		
0 13	725	950	73.1	61.1	376	46	SSW	1.2		
0 18	714	939	73.2	61.2	382	46	SSE	3.6		
0 23	714	939	73.2	61.3	385	46	E	1.2		
0 28	713	938	73.3	61.0	403	49	S	1.2		
0 33	709	934	73.3	61.9	403	49	Calm	0		
0 38	710	935	73.3	62.0	406	50	SR	2.4		
0 43	710	935	73.3	62.0	406	50	SE	1.2		
0 48	676	900	73.2	62.6	428	53	Calm	7.2		
0 53	676	900	73.2	62.6	428	53	Calm	0		
0 58	676	900	73.7	62.6	421	51	Calm	0		
1 3	675	898	73.7	62.6	421	51	Calm	0		
1 8	677	900	73.7	62.1	411	51	NW	1.2		
1 13	677	900	73.2	62.1	411	51	NW	1.2		
1 18	677	900	73.2	62.1	411	51	W	1.2		
1 23	678	901	73.0	61.9	407	51	W	1.2		
1 28	678	901	73.0	61.9	407	51	NW	1.2		
1 33	678	901	73.0	61.9	407	51	NW	1.2		
1 38	676	899	72.7	62.1	418	52	W	1.2		
1 43	676	899	72.7	62.6	435	53	W	1.2		
1 48	708	933	73.3	62.0	406	50	E	2.4		
1 53	708	933	73.3	62.0	406	50	SE			
1 58	700	923	73.3	62.0	406	50	SE			
2 3	700	925	73.0	61.3	388	47	E			Eclipse commenced Decrease in brightness of day commenced to be noted Decrease in brightness marked Sun obscured decrease in brightness very marked Do commenced to clear Eclipse terminated
2 8	698	923	72.8	61.3	391	46	NE			
2 13	698	923	72.7	61.3	391	46	Calm			
2 18	699	924	72.4	61.3	396	50	Calm			
2 23	693	918	72.2	61.3	398	50	Calm	0		
2 28	693	918	71.2	62.1	438	57	Calm	0		
2 33	693	918	70.7	62.1	445	59	Calm	0		
2 38	697	912	70.2	62.1	451	61	Calm	0		
2 43	697	912	69.7	61.9	452	62	Calm	0		
2 48	690	913	69.2	61.9	459	64	Calm	0		
2 53	690	913	69.2	61.9	459	64	Calm	0		
2 58	689	913	69.2	61.9	459	64	Calm	0		
3 3	684	909	69.3	62.1	463	64	Calm	0		
3 8	684	909	69.7	62.6	475	66	Calm	0		
3 13	681	905	70.2	62.9	478	65	Calm	0		
3 18	681	905	70.7	63.1	478	64	Calm	0		
3 23	681	905	71.7	63.1	465	60	Calm	0		
3 28	681	905	71.9	63.1	465	59	Calm	0		
3 33	698	903	72.2	63.1	458	58	Calm	0		
3 38	697	902	72.2	63.1	458	58	Calm	0		
3 43	676	899	72.7	63.1	451	56	Calm	0		
3 48	676	899	72.7	62.6	435	55	Calm	0		

Ninety-three miles from central line of totality. Greatest obscuration 8.

HOURS.	BAROMETER.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	WIND.		Cloud proportion.	WEATHER AND OTHER REMARKS.
	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.					Direction.	Amount since preceding interval, in miles per hour.		
A.M.						%				
9-45	30.326	30.040	67.9	57.4	334	48	SW	...	NH	
10-0	30.326	30.039	68.9	57.9	337	47	SW	0.8	"	
10-15	30.326	30.035	70.9	58.4	324	43	SW	1.2	"	
10-30	30.326	30.034	71.9	58.9	327	42	SW	1.6	"	
10-45	30.322	30.028	72.4	58.9	320	41	W	3.6	"	
11-0	30.318	30.023	72.9	58.9	313	39	W	2.8	"	
11-15	30.313	30.015	73.4	58.9	280	32	W	4.0	"	
11-30	30.310	30.010	76.4	58.9	267	29	W	7.6	"	The weather was calm from morning to 11-30 A.M., when a sudden burst of wind continued blowing till 5-45 P.M., with force, increasing and decreasing at short intervals. The sky was clear and quite free from clouds throughout.
11-45	29.7	29.996	77.4	58.9	254	27	W	12.0	"	
12-0	29.3	990	77.9	58.9	247	26	W	10.0	"	
P.M.										
0-15	28.5	979	79.9	59.9	251	25	W	9.2	"	
0-30	27.5	969	79.9	59.9	251	25	WNW	6.4	"	The eclipse commenced at 0-25 P.M., and the greatest obscuration was in proportion eight-tenths.
0-35	27.2	965	80.1	59.9	248	25	WNW	8.4	"	
0-40	26.8	961	80.4	59.7	239	24	WSW	12.0	"	When the obscuration was approaching its full extent, a sudden coldness of the air was felt, which gradually disappeared with the eclipse. The daylight during highest obscuration was like faint electric light.
0-45	26.8	961	80.4	59.7	239	24	WSW	12.0	"	
0-50	26.8	960	80.9	59.7	231	23	WSW	15.6	"	
0-55	26.6	959	80.4	59.4	229	22	W	8.4	"	
1-0	26.6	959	80.1	59.4	233	23	WNW	12.0	"	
1-5	26.1	954	79.9	59.4	235	23	WNW	12.0	"	
1-10	25.7	950	79.9	59.4	235	23	WNW	8.4	"	
1-15	25.7	951	79.4	58.9	227	23	WNW	12.0	"	
1-20	26.0	954	78.9	58.7	227	24	WSW	24.0	"	
1-25	26.0	954	78.7	58.7	230	24	W	3.6	"	
1-30	25.4	950	77.9	57.9	217	23	W	9.6	"	
1-35	25.0	948	77.4	57.9	224	24	WNW	12.0	"	
1-40			76.9	57.9	230	25	WNW	8.4	"	
1-45			75.9	57.7	237	27	W	7.2	"	
1-50			75.7	57.7	240	27	W	8.4	"	
1-55			74.9	57.7	250	29	WSW	6.0	"	
2-0			74.9	57.7	250	29	W	4.8	"	
2-5			75.0	57.7	249	29	W	4.8	"	
2-10			75.4	57.9	250	28	W	4.8	"	
2-15			75.9	57.7	244	27	WSW	7.2	"	
2-20			76.4	58.4	251	27	WSW	4.8	"	
2-25	25.2	950	76.9	58.9	260	28	W	7.2	"	
2-30	24.9	945	77.7	59.1	256	27	W	7.2	"	
2-35	24.9	945	77.9	59.4	262	27	W	7.2	"	
2-40	24.9	943	78.9	59.4	249	25	W	12.0	"	
2-45	24.7	941	78.9	59.4	242	25	W	8.4	"	
2-50	24.9	943	79.4	59.4	242	24	W	13.2	"	
2-55	24.9	942	79.7	59.4	238	23	W	12.0	"	
3-0	24.6	939	79.9	59.4	235	23	W	9.6	"	
3-15	25.0	943	80.5	59.7	237	23	W	15.2	"	
3-20	24.7	940	80.3	59.4	230	22	W	12.8	"	
3-45	24.7	940	80.1	58.9	218	22	W	8.4	"	The eclipse terminated at 3-0 P.M.

Ninety five miles from central line of totality Greatest obscuration 8

Hour	Barometer		Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure	Relative humidity	Wind		Cloud percentage	Proportion of eclipse, totality to	Weather and other remarks
	Corrected and reduced to 32° F	Reduced to sea level and constant gravity					Direction	Amount since preceding interval, in miles per hour			
Madras time.											
A M											
10 15	28.094	30.003	75.4	57.1	242	27	ESE	1	Nil		
10 25	095	002	75.9	57.5	246	28	ESE	6.0	"		
10 35	097	000	76.9	58.1	252	27	ESE	7.2	"		
10 45	096	29.998	77.2	57.9	242	26	ESE	7.2	"		
10 55	093	994	77.5	58.5	257	28	ENE	7.2	"		
11 5	087	988	77.6	58.5	256	28	ENE	4.8	"		
11 15	087	986	78.1	57.9	232	24	ESE	9.6	"		
11 25	083	979	78.7	58.2	233	23	E	4.8	"		
11 35	080	974	79.2	58.9	247	24	ESE	13.2	"		
11 45	076	969	79.3	59.1	253	25	ESE	7.8	"		At 11 47 A.M. the sun began to be obscured from SW, the sky was clear and blue without any cloud
11 55	071	963	79.4	59.1	251	24	ENE	6.0	"	1	
P M											
0 5	064	956	79.3	58.9	245	24	ENE	8.4	"	2	
0 15	062	951	80.0	59.1	242	23	E	5.4	"	2	
0 25	055	946	79.5	58.9	244	24	ENE	5.4	"	3	
0 35	051	943	79.3	58.7	241	24	ENE	6.0	"	4	
0 45	050	943	79.1	58.1	225	22	ENE	5.4	"	5	
0 55	043	937	78.5	57.7	220	22	ENE	7.8	"	7	
1 5	040	938	77.5	57.1	215	22	NE	4.2	"	75	
1 15	032	933	76.5	56.3	205	21	NE	6.6	"	8	
1 25	030	934	75.7	56.9	231	26	NE	4.2	"	7	
1 35	026	927	76.2	56.8	222	24	F	2.4	"	6	
1 45	022	919	77.2	57.0	217	22	ENE	6.6	"	5	
1 55	022	918	77.4	57.1	217	22	ENE	3.6	"	4	
2 5	022	917	77.7	57.4	223	22	ENE	4.8	"	3	
2 15	017	911	78.1	57.7	224	23	ENE	4.2	"	2	
2 25	016	906	78.7	58.0	227	23	ENE	9.6	"	1	
2 35	016	901	80.0	58.2	216	20	ENE	7.2	"		
2 45	016	899	80.6	58.9	230	21	ENE	4.8	"		
2 55	016	898	80.8	59.1	234	22	ENE	5.4	"		
3 5	016	898	81.0	59.1	230	21	ESE	4.8	"		
3 15	015	897	81.1	59.1	230	21	ESE	4.8	"		
3 25	015	896	81.3	59.1	228	20	NE	7.8	"		
3 35	017	897	81.5	59.1	224	20	ENE	4.2	"		
3 45	017	897	81.6	59.1	224	20	ENE	7.2	"		
3 55	019	898	81.7	59.1	224	20	ESE	5.4	"		
4 5	019	898	81.8	59.1	222	19	ESE	9.0	"		

At 11 47 A.M. the sun began to be obscured from SW, the sky was clear and blue without any cloud

2-30 P.M. sunlight became little dim & breeze began to blow, weather was chilly and sky cloudless and blue in the middle and white near the horizon

1-6 P.M. The sky dark blue in the middle and white near the horizon, weather more chilly and sky cloudless

2-15 P.M. Sun light became more dim and somewhat blackish. The scene all around appeared gloomy. Unobscured part of sun appeared red at the time of sun set. One star was seen in the SE about 3 or 4 feet from the sun

1-27 P.M. The wind began to decrease, the star disappeared at about 1-40 P.M.

1-45 P.M. Weather little hot.

2-44 P.M. The sun became completely clear by the NE side. The eclipse lasted 2 hours and 57 minutes and the sky was cloudless during the time

No. 56. Lat. 23° 49' N.

SAUGOR.

Long. 78° 48' E.

One hundred and twenty-seven miles from central line of totality. Greatest obscuration 8.

Hour.	Barometer.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind.		Cloud.		Proportion of eclipse, totality 10.	Weather and other remarks.
	Madras time.	Corrected and reduced to 32° F.					Direction.	Amount since preceding interval, in miles per hour.	Proportion.	Kind.		
A.M.	"	"	"	"	"	%						
10-6	28° 23'	30° 47'	74° 7'	55° 0'	190	22	NNE	...	NH	...		
10-21	260	044	75° 2'	55° 8'	207	23	ENE	14° 8'	"	...		
10-36	262	040	77° 1'	56° 0'	189	20	NE	10° 0'	"	...		
10-51	260	042	75° 9'	55° 0'	175	19	NNE	6° 4'	"	...		
11-6	254	036	76° 2'	55° 3'	179	19	N	7° 6'	"	...		
11-21	250	024	78° 4'	57° 0'	201	20	N	21° 2'	"	...		
11-36	240	014	78° 2'	56° 0'	176	18	NNE	23° 6'	"	...		
11-51	238	009	78° 5'	56° 5'	186	19	N	27° 2'	"	...		
P.M.												
0-6	228	29° 9' 6"	80° 0'	57° 0'	182	18	ENE	21° 6'	"	...	...	Eclipse commenced at 0-11 P.M.
0-16	224	093	79° 2'	57° 3'	199	19	ENE	9° 6'	"	...		
0-26	220	085	79° 9'	57° 7'	203	20	E	1° 8'	"	...		
0-36	216	085	79° 0'	56° 0'	165	17	NE	12° 6'	"	...		
0-46	214	083	78° 9'	56° 0'	166	17	N	5° 4'	"	...		
1-6	198	070	77° 8'	55° 0'	153	15	NNE	9° 3'	"	...		
1-16	196	069	78° 0'	56° 0'	178	16	ENE	40° 8'	"	S. Cu.		Strong wind.
1-26	192	069	76° 5'	55° 8'	191	21	ENE	39° 6'	"	S. Cu.	...	Strong wind. The atmosphere was as cool as it generally gets during cloudy weather and before rain commences.
1-41	194	074	75° 6'	55° 7'	197	22	ENE	23° 2'	"	S. Cu.		
1-56	178	060	74° 6'	58° 2'	262	33	NNE	5° 6'	"	...		
2-11	180	050	78° 2'	57° 8'	226	23	ENE	2° 4'	"	...		
2-26	174	037	79° 4'	57° 2'	195	19	Calm	11° 2'	"	...		
2-41	178	041	79° 4'	56° 7'	180	18	E	25° 2'	"	...	...	Eclipse terminated at 2-51 P.M.
2-56	173	034	80° 4'	57° 6'	195	19	ESE	26° 0'	"	...		
3-11	177	039	80° 1'	57° 2'	186	16	WNW	16° 4'	"	...		
3-26	185	050	79° 9'	56° 6'	177	18	N	16° 4'	"	...		
3-41	185	050	80° 0'	56° 6'	170	17	N	15° 2'	"	...		
3-56	187	052	80° 1'	57° 6'	198	19	NNW	7° 6'	"	...		
4-6	189	051	80° 4'	58° 0'	206	19	NNW	25° 8'	"	...		

No. 57. Lat $20^{\circ} 34' N$

MALEGAON.

Long. $74^{\circ} 22' E$

One hundred and thirty five miles from central line of totality Greatest obscuration 8

Hour.	BAROMETER.		Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure	Relative humidity	WIND		CLOUD		WEATHER AND OTHER REMARKS
	Corrected and reduced to $32^{\circ} F$	Reduced to sea level and constant gravity					Direction	Amount since preceding interval in miles per hour	Proportion	Kind	
A M	"	"	"	"	"	%					
10-23	28.627	30.026	77.7	56.3	189	19	NNE	0		Nil	
10-43	619	014	78.9	57.2	201	20	ENE	0.8			Fine clear weather
10-58	628	021	79.5	59.0	247	24	NNE	1.6		"	Ditto
11-13	615	002	81.7	56.5	147	14	ENE	1.6			
11-28	604	29.988	82.8	56.9	144	13	ENE	3.6			
11-43	603	984	83.7	58.0	163	14	ESE	3.6			
11-58	599	977	85.1	58.2	152	12	SE	2.8		"	
P M											
0-13	596	972	85.7	59.8	192	12	SSE	2.8		"	
0-28	595	972	85.3	58.9	170	16	NNE	2.4		"	
0-43	590	966	85.5	60.0	202	14	NE	2.8		"	
0-58	585	952	84.5	59.2	191	17	NNE	3.2		"	
1-13	586	964	84.3	59.8	211	19	NE	4.4	9	Pk	Strong wind
1-28	577	958	83.3	58.8	194	17	N	2.4	9	Pk	
1-43	554	938	81.8	58.6	207	20	NE	4.0	9	c	
1-58	548	930	82.3	58.8	206	19	ENE	4.4	9	c	
2-13	539	919	83.1	59.9	229	21	NNE	28.1	7	Pc C	
2-28	538	916	83.7	60.1	227	20	NE	6.0	8	c	
2-43	539	914	84.6	60.9	241	21	NE	2.8	6	Pc C	
2-58	535	910	84.5	61.2	257	21	NE	9.2	7	Pc C.	
3-13	543	918	85.1	61.9	266	22	NNE	5.6	7	Pc C	
3-28	535	908	85.7	62.1	265	22	ENE	7.2	5	Pc C.	
3-43	543	914	86.2	62.2	261	21	ENE	3.6	3	Pc C	
3-58	538	908	86.5	62.7	273	22	SSE	0.8		Nil	Fine, clear weather
4-13	546	915	86.9	63.0	257	24	NNE	2.8		"	Ditto.

No. 58. Lat. 18° 54' N. BOMBAY, METEOROLOGICAL OFFICE.

Long. 72° 49' E.

One hundred and thirty-five miles from central line of totality. Greatest observation 8.5.

Hour.	Barometer.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind direction.	Cloud description.	WEATHER AND OTHER REMARKS.
	Corrected and reduced to 32° F.	Reduced to sea-level and constant baricity.							
Madras time.									
A. M.									
9-0	29.948	29.925	76.1	67.3	553	61	...	NH	
9-10	949	926	77.0	68.1	570	61	...	"	
9-20	952	929	77.2	68.1	568	61	...	"	
9-30	955	932	77.6	68.7	582	61	...	"	
9-40	955	935	77.8	69.0	593	61	...	"	
9-50	959	936	77.7	69.0	591	62	...	"	
10-0	961	938	78.0	69.5	571	60	...	"	
10-10	960	937	78.0	69.0	583	61	...	"	
10-20	958	935	78.3	69.3	579	60	...	"	
10-30	958	935	78.2	69.3	579	60	...	"	
10-40	957	934	79.0	68.2	547	55	...	"	
10-50	952	929	79.0	68.0	539	54	...	"	
11-0	951	928	79.3	68.0	532	53	...	"	
11-10	949	926	80.0	68.0	525	51	NW	"	
11-20	948	925	80.0	68.6	547	53	...	"	
11-30	944	922	80.8	69.0	535	53	...	"	
11-40	941	919	81.0	69.2	558	51	...	"	
11-50	940	917	81.5	68.5	524	49	...	"	At 11-48 clouds round the sun faint, whitish. At 11-55 " " " milky.
12-0	934	911	82.0	68.2	506	45	SW	"	Wind light to gentle at intervals. At 12-0 P.M. colour of sun yellowish and brownish and at 12-07 P.M. sky colour not black as before.
P. M.									
0-10	928	905	81.5	68.0	505	47	SSW	"	Wind light to gentle at intervals.
0-20	927	904	82.0	67.0	519	52	SSW	"	" gentle.
0-30	914	891	82.8	70.0	591	56	SSW	"	At 0-22 P.M. colour round the sun whitish, and at 0-28 P.M. whitish and brown.
0-40	916	893	80.3	70.8	627	60	SSW	"	Shower to fresh breeze at intervals.
0-50	907	884	79.7	70.0	605	59	SSW	"	At 0-51 P.M. colour round the sun silvery.
1-0	904	881	79.7	70.3	616	60	SSW	"	At 0-57 P.M. sky colour blue-black.
1-10	892	869	79.0	71.0	653	66	SSW	"	Moderate to gentle cool breeze.
1-20	887	864	79.1	71.1	655	66	SSW	"	Do. Do. and sky colour bluish.
1-30	881	858	79.0	71.3	664	67	SSW	"	Do. Do.
1-40	878	855	79.1	72.1	695	70	SSW	"	
1-50	875	852	79.6	71.0	646	64	SSW	"	
2-0	870	847	80.0	71.3	651	63	SSW	"	
2-10	873	850	80.0	72.0	679	60	SSW	"	
2-20	868	845	80.0	72.0	679	66	SSW	"	
2-30	867	844	80.8	72.0	661	63	SSW	"	
2-40	870	847	81.0	72.5	686	65	SSW	"	
2-50	870	847	80.8	72.0	661	63	SSW	"	
3-0	871	848	81.1	72.0	665	61	SSW	"	
3-10	871	848	81.3	71.3	663	59	SSW	"	
3-20	871	848	81.5	70.2	583	53	SSW	"	

No. 59 Lat. 25° 38' N.

DINAJPUR.

Long. 88° 41' E

One hundred and eighty-nine miles from Central line of totality. Greatest obscuration 8.

Hour	Barometer		Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure	Relative humidity	Wind		Cloud			Weather and other remarks
	Corrected and reduced to 32° F.	Reduced to sea level and constant gravity.					Direction	Amount since preceding interval, in miles per hour	Proportion	Kind	Direction in degrees	
A.M.	"	"	"	"	"	%						
9 26	29.948	30.031	67.2	60.5	.440	66	ENE		Nd	...	...	Before 9-26 A.M. --Weather cloudless and very clear
9 31	950	032	68.5	60.7	.429	62	ENE	1.2	"	...	...	9-26 A.M. --Sky very clear and day very close.
9 36	949	031	69.5	60.9	.423	59	ENE	1.2	"	...	...	10-26 A.M. --Gentle wind continuing till 1 15 P.M.
9 41	948	031	69.9	61.2	.421	58	ENE	1.2	"	...	...	11-26 A.M. --Little patches of clouds passing by
9 46	948	030	69.5	61.2	.437	60	ENE	0	"	...	...	and there over the sky till 1-6 P.M.
9 51	947	029	69.5	61.2	.451	60	ENE	0	"	...	...	They were feather-like at their first appearance and of dusky colour in the early part of the eclipse.
9 56	945	027	69.9	60.9	.415	57	NE	2.4	"	...	...	1-21 P.M. --Eclipse began from south-west part of sun and continued till 2-26 P.M.
10 1	941	023	71.5	61.5	.475	54	NE	1.2	"	...	...	greatest obscuration was eight-tenths.
10 6	941	023	71.9	61.1	.469	54	NE	0	"	...	...	During greatest obscuration sky changed into a yellowish and pale colour. Sans rays grew mild and pale.
10 11	941	023	71.1	61.5	.450	50	NE	1.2	"	...	...	Hemion on the north and south-west looked gloomy as if covered with Cumulo-ambus clouds and the whole part shaded with dusky colour with little reddish as if covered with fog. The winds were cooler, and there were no clouds at all during the greatest obscuration.
10 16	936	018	71.5	61.5	.415	54	NE	0	"	...	...
10 21	935	016	72.3	61.7	.411	52	ENE	0	"	...	...
10 26	931	012	72.9	62.5	.438	53	NE	1.2	"	...	...
10 31	928	009	72.5	61.9	.415	52	SSE	2.4	"	...	...
10 36	928	009	73.3	61.7	.415	52	SSE	1.2	"	...	...
10 41	925	007	71.5	62.5	.406	49	SSE	0	"	...	...
10 46	925	006	73.5	61.9	.407	48	SSE	0	"	...	...
10 51	923	004	73.5	62.3	.414	50	SSE	1.2	"	...	...
10 56	919	29.999	75.1	61.5	.367	43	SSE	1.2	"	...	...
11 1	916	997	74.1	62.5	.413	50	SSE	0	"	...	...
11 6	911	992	74.5	61.5	.375	44	WSW	2.4	"	...	...
11 11	919	990	74.5	62.5	.407	46	W	1.2	"	...	...
11 16	904	984	73.3	62.5	.396	45	W	2.4	"	...	...
11 21	902	982	73.2	62.3	.391	44	WNW	1.2	"	...	...
11 26	900	980	75.3	62.2	.387	44	WNW	3.6	"	...	...
11 31	899	980	74.9	62.3	.395	45	W	1.2	"	...	...
11 36	895	976	75.9	62.1	.375	42	W	2.4	"	...	...
11 41	893	974	75.3	61.5	.364	42	W	2.4	"	...	...
11 46	891	972	75.5	62.5	.358	40	W	1.2	"	...	...
11 51	888	969	76.3	61.7	.358	40	W	2.4	"	...	...
11 56	885	966	76.5	61.9	.362	40	SSE	1.2	"	...	...
P.M.												
0 1	881	961	76.5	62.1	.367	40	SSW	2.4	"	...	...
0 6	878	958	75.9	61.3	.359	37	SW	2.4	"	...	...
0 11	878	958	77.1	61.5	.349	37	WSW	2.4	"	...	...
0 16	875	955	76.7	60.3	.344	33	WSW	3.6	"	...	...
0 21	870	950	76.7	61.3	.338	30	WNW	3.6	"	...	...
0 26	868	948	75.5	60.9	.341	30	SSW	6.0	"	...	...
0 31	863	943	76.3	62.3	.376	41	WSW	1.2	"	...	...
0 36	864	944	77.1	62.5	.373	41	SW	2.4	"	...	...
0 41	858	938	77.1	62.1	.359	38	SSW	2.4	"	...	...
0 46	858	938	77.2	62.3	.364	38	WSW	3.6	"	...	...
0 51	858	938	76.9	61.7	.348	38	WSW	3.6	"	...	...
0 56	856	936	76.3	61.7	.357	40	WSW	3.6	"	...	...
1 1	854	934	76.5	62.1	.367	40	SSW	2.4	"	...	...
1 6	852	932	76.5	61.7	.355	39	SSW	1.2	"	...	...
1 11	850	930	76.2	60.7	.329	36	S	2.4	"	...	...
1 16	845	925	75.7	61.1	.346	39	SSW	4.8	"	...	...
1 21	845	925	75.5	61.1	.347	39	SSW	3.6	"	...	...
1 26	846	926	75.1	61.3	.360	41	SW	2.4	"	...	...
1 31	847	928	74.5	61.1	.361	42	SW	1.2	"	...	...
1 36	845	926	74.1	60.9	.359	43	SW	2.4	"	...	...
1 41	843	924	73.5	61.2	.378	45	WSW	2.4	"	...	...
1 46	842	923	73.1	61.3	.387	47	WSW	1.2	"	...	...
1 51	841	922	72.1	61.5	.407	52	WSW	1.2	"	...	...
1 56	841	922	71.7	61.1	.399	52	WSW	1.2	"	...	...
2 1	841	923	71.5	60.9	.415	52	WSW	1.2	"	...	...
2 6	842	924	71.2	62.5	.452	59	WSW	1.2	"	...	...
2 11	843	925	71.5	62.9	.461	60	WSW	2.4	"	...	...
2 16	841	922	72.5	62.2	.457	57	WSW	0	"	...	...
2 21	841	922	73.3	63.9	.469	57	SW	1.2	"	...	...
2 26	836	917	74.1	63.2	.455	51	WSW	1.2	"	...	...
2 31	836	917	74.3	62.1	.396	46	SW	1.2	"	...	...
2 36	838	918	75.2	63.1	.418	48	SW	0	"	...	...
2 41	840	920	75.5	62.5	.394	45	SW	1.2	"	...	...
2 46	839	919	75.9	61.9	.369	41	SW	2.4	"	...	...
2 51	838	918	76.2	62.1	.371	43	WSW	3.6	"	...	...
2 56	837	917	76.1	61.5	.354	40	WSW	3.6	"	...	...
3 1	836	916	76.3	61.7	.358	40	WSW	2.4	"	...	...
3 6	838	918	76.2	61.5	.353	39	SSW	3.6	"	...	...
3 11	838	918	76.1	61.5	.354	40	SW	3.6	"	...	...
3 16	840	920	75.9	61.9	.369	41	SSW	3.6	"	...	...
3 21	840	920	76.3	62.2	.373	41	WSW	2.4	"	...	...
3 26	841	921	76.5	62.2	.370	40	WSW	4.8	"	...	...

No. 60. Lat. 24° 16' N.

NAYA DUMKA.

Long. 87° 18' E.

Two hundred and eight miles from central line of totality. Greatest obscuration 8.

Hour.	Barometer.		Dry bulb correct- ed.	Wind.		Cloud propor- tion.	Proportion of eclipse, totally 10.	Weather and other remarks.
	Corrected and reduced to 32° F.	Reduced to sea- level and constant gravity.		Direction.	Amount since preceding interval, in miles per hour.			
A.M.	"	"	0					
9-32	29.552	30.015	...	...	...	Nil	...	
9-58	71.3	WNW	...	"	...	
10-13	72.4	SSW	1.2	"	...	
10-28	72.7	Calm	2.0	"	...	
10-38	73.9	SSW	1.2	"	...	
10-47	542	005	...	...	...	"	...
10-52	74.2	SSE	3.0	"	...	The sky slightly blue but bright.
11-2	74.9	SSE	0.6	"	...	
11-12	75.2	SSE	1.2	"	...	
11-22	75.0	SSE	1.8	"	...	
11-32	75.7	SSE	1.2	"	...	
11-42	76.4	SSE	3.0	"	...	
11-52	75.9	SW	1.2	"	...	
P.M.								
0-2	77.2	SSW	2.4	"	...	
0-12	77.2	SSW	0.6	"	...	
0-17	486	29.942	...	...	...	"	...	The eclipse began at about 0-27 P.M. and continued to increase till 1-57 P.M. Greatest obscuration of the sun was between eight and nine tenths.
0-22	78.2	SSW	1.8	"	...	
0-32	77.9	Calm	1.2	"	2	
0-42	77.2	Calm	1.2	"	3	
0-52	77.7	Calm	1.2	"	4	
1-2	77.7	WNW	1.2	"	...	Sky hazy.
1-7	77.4	WNW	2.4	"	...	
1-12	455	912	...	...	...	"	...
1-17	76.3	WNW	1.2	"	...	
1-27	76.2	WNW	0.6	"	5	Sky brown.
1-37	75.2	WNW	0.6	"	6	
1-47	74.2	Calm	0	"	7	Sky and weather gloomy.
1-57	74.2	Calm	0	"	8	
2-3	73.2	Calm	0	"	P	
2-12	457	918	...	...	...	"	P	
2-17	74.2	Calm	0	"	P	
2-27	75.2	WNW	0.6	"	P	
2-37	75.9	WNW	0.6	"	P	
2-47	76.2	WNW	1.2	"	P	Sky and weather fair. The sun was fully clear at about 3-7 P.M.
2-57	76.4	WNW	1.2	"	...	
3-2	76.4	WNW	1.2	"	...	
3-12	443	900	...	...	...	"	...
3-17	76.4	SW	1.6	"	...	
3-27	76.6	SSW	1.2	"	...	
3-32	76.5	SW	1.2	"	...	

No. 61. Lat. 26° 7' N.

DHUBRI.

Long. 89° 50' E.

Two hundred and ten miles from central line of totality. Greatest obscuration 8.

Hours.	BAROMETER.			Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	WIND.		Cloud proportion.	Proportion of eclipse, totality 10.	WEATHER AND OTHER REMARKS.
	Corrected to sea-level and reduced to 32° F.	Reduced to sea-level and constant gravity.						Direction.	Amount of breeze, in miles per hour.			
A.M.												
9-22	29.962	30.038	63.7	59.1	442	75	ENE	...	Nil	..	..	Fine clear weather throughout.
9-32	960	936	64.6	59.5	443	73	ENE	3.0	"	..	..
9-42	958	933	65.4	59.7	439	70	ENE	3.0	"	..	..
9-52	960	935	66.3	59.9	430	66	ENE	1.8	"	..	..
10-2	955	930	67.1	60.1	428	64	ENE	1.2	"	..	..
10-12	951	926	68.0	60.6	432	63	ENE	1.2	"	..	..
10-22	949	923	68.7	61.5	452	64	Calm.	0	"	..	..
10-32	942	916	69.2	61.3	438	61	ENE	0.6	"	..	..
10-42	940	914	69.6	61.7	446	61	Calm	0.6	"	..	..
10-52	934	908	70.5	62.0	444	59	Calm	0	"	..	..
11-2	926	900	71.3	62.0	433	56	ENE	1.2	"	..	..
11-12	920	894	71.5	62.1	433	56	ENE	1.8	"	..	..
11-22	912	885	72.3	60.4	366	46	S	4.2	"	..	..
11-32	906	879	73.4	62.0	405	49	WSW	3.6	"	..	..
11-42	900	873	73.5	60.3	348	42	SW	3.0	"	..	..
11-52	893	866	74.4	61.5	376	44	W	0.6	"	..	..
P.M.												
0-2	885	858	74.6	62.3	399	45	W	1.8	"	..	..
0-12	883	856	74.6	61.7	380	44	Calm	1.8	"	..	..
0-22	879	852	74.7	61.8	382	44	Calm	1.8	"	..	..
0-32	877	850	75.0	61.5	368	43	SSW	3.0	"	..	..
0-42	870	842	75.1	61.5	367	43	S	0.6	"	..	..
0-52	866	838	76.4	62.9	395	44	WNW	5.4	"	2 at 0-57 P.M.	..	
1-2	862	834	75.9	61.1	341	38	W	2.4	"	..	3	
1-12	858	830	75.7	60.8	334	38	SW	1.8	"	..	4	
1-22	854	826	75.5	60.8	337	39	SSW	3.0	"	..	5	Little darkish
1-32	852	825	74.7	60.3	332	38	SSW	2.4	"	..	6	Little darkish. { A feeble shock of earthquake was felt.
1-42	846	819	74.2	60.1	334	40	S	2.4	"	7 at 1-37 P.M.	..	
1-52	850	823	73.3	60.1	345	42	SW	1.2	"	..	8	Do.
2-2	849	822	71.8	60.7	385	50	WSW	0.6	"	..	..
2-12	845	818	72.2	60.3	365	46	Calm	0.6	"	..	7	Little darkish
2-22	845	818	72.1	61.2	396	50	Calm	0.6	"	..	6	Do.
2-32	845	818	73.5	61.3	381	46	Calm	0	"	5 at 2-17 P.M.	..	Do.
2-42	843	816	74.4	61.3	370	43	Calm	0	"	..	4	
2-52	843	816	74.6	61.1	360	42	WSW	0.6	"	3 at 2-32 P.M.	..	
3-2	843	815	75.3	62.1	383	44	WSW	1.2	"	2 at 2-37 P.M.	..	
3-12	843	815	75.3	61.7	373	43	Calm	1.8	"	1 at 2-47 P.M.	..	
3-22	845	817	75.5	61.8	371	42	W	0.6	"	..	..
3-32	849	825	72.1	61.8	375	43	Calm	0.6	"	..	..

No. 62. Lat. 25° 27' N.

JHANSI.

Long. 78° 37' E.

Two hundred and fourteen miles from central line of totality. Greatest obscuration 8.

Hour.	Barometer.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind.		Cloud proportion.	Proportion of eclipse, totality 10.	Weather and other remarks.
	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.					Direction.	Amount since preceding interval, in miles per hour.			
A.M. 10-6	29°31	30°067	75°9	57°9	°242	27	Calm.	..	Nil.	..	
10-21	'230	'064	76°8	57°4	'215	23	Calm.	0	"	...	
10-36	'229	'060	77°8	58°9	'247	26	N	0.8	"	...	
10-51	'224	'054	78°8	58°9	'234	24	Calm.	0	"	...	
11-6	'222	'050	79°8	59°9	'251	25	NNW	0.4	"	...	
11-21	'217	'044	79°8	58°9	'221	22	Calm.	0	"	...	
11-36	'211	'040	78°8	59°9	'264	27	NNW	0.4	"	...	
11-51	'209	'039	77°8	59°9	'279	29	NNW	0.4	"	...	
P.M. 0-6	'202	'037	75°9	57°4	228	25	NNW	0.4	"	...	
0-21	'195	'031	75°4	57°3	'232	26	NW	0.8	"	...	
0-36	'186	'020	75°9	57°1	'220	24	NW	0.4	"	1 at 0-26 P.M.	
0-41	'183	'019	74°9	56°9	'226	26	NW	0	"	1	
0-46	'182	'018	74°9	57°0	'229	26	NW	1.2	"	2	
0-51	'180	'016	74°9	57°0	'229	26	Calm.	0	"	2	
0-56	'176	'012	74°9	56°9	'226	26	Calm.	0	"	2	
1-1	'177	'013	74°9	56°9	'226	26	...	...	"	2	
1-6	'175	'011	74°9	56°9	'226	26	NW	0.6	"	3	
1-11	'172	'006	75°9	56°9	'212	24	...	...	"	3	
1-16	'170	'004	75°9	56°9	'212	24	WNW	0.6	"	4	
1-21	'170	'006	75°1	57°0	'227	26	...	...	"	5	
1-26	'165	'001	75°1	57°0	'227	26	Calm.	0	"	5	
1-31	'165	'001	75°1	56°9	'224	26	...	...	"	6	
1-36	'163	29°999	74°9	56°9	'226	26	Calm.	0	"	6	
1-41	'160	'996	74°9	56°9	'226	26	...	...	"	7	
1-46	'158	'994	74°9	56°9	'226	26	Calm.	0	"	7	
1-51	'156	'992	74°9	56°9	'226	26	...	...	"	8	
1-56	'155	'991	74°9	56°9	'226	26	Calm.	0	"	6	
2-1	'153	'989	74°9	56°9	'226	26	...	...	"	7	
2-6	'151	'987	74°9	56°9	'226	26	Calm.	0	"	6	
2-11	'148	'983	74°9	57°4	'241	27	...	...	"	5	
2-16	'146	'981	74°9	57°9	'256	30	Calm.	0	"	4	
2-21	'146	'981	74°9	57°9	'256	30	...	...	"	3	
2-26	'144	'979	74°9	57°9	'256	30	Calm.	0	"	3	
2-31	'144	'979	74°9	57°9	'256	30	...	...	"	3	
2-36	'148	'983	74°9	57°9	'256	30	Calm.	0	"	3	
2-41	'146	'981	74°9	57°9	'256	30	...	...	"	2	
2-46	'147	'982	74°9	57°4	'241	27	Calm.	0	"	1	
2-51	'148	'983	74°9	57°7	'250	29	...	...	"	1	
2-56	'148	'982	75°4	57°7	'242	27	Calm.	0	"	1	
3-1	'147	'980	75°9	57°9	'242	27	...	...	"	1	
3-6	'146	'979	75°9	57°9	'242	27	Calm.	0	"	...	
3-21	'146	'979	75°9	57°9	'242	27	Calm.	0	"	...	
3-26	'148	'981	75°9	57°9	'242	27	NW	0.8	"	...	
3-31	'149	'982	75°9	57°5	'231	26	WNW	1.2	"	...	
4-6	'148	'979	76°8	57°9	'230	25	WNW	0.4	"	...	

No. 64. Lat. $15^{\circ} 9'$

BELLARY.

Long. $76^{\circ} 57' E$.

Two hundred and thirty-eight miles from central line of totality. Greatest obscuration 8.

Hour.	Barometer.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind.		Cloud proportion.	Proportion of eclipse, totality 10.	Weather and other remarks.
	Corrected and reduced to $32^{\circ} F$.	Reduced to sea-level and constant gravity.					Direction	Amount since preceding interval, in miles per hour.			
A.M.	"	"	"	"	"	%	"	"	"	"	
10-0	28.570	30.005	77.7	61.9	.358	37	E	...	1	...	
10-15	.567	.002	77.3	61.3	.344	36	SE	1.2	1	...	Cirrus appeared in small amounts and disappeared at 10-30 A. M.
10-30	.563	.2994	78.5	61.1	.322	33	S	2.0	Nil	...	
10-45	.559	.990	78.5	60.9	.317	33	E	2.4	"	...	
11-0	.555	.982	80.1	60.9	.298	28	S	2.4	"	...	
11-15	.551	.976	80.7	61.9	.320	30	E	1.6	"	...	
11-30	.543	.970	79.7	61.3	.313	30	SE	1.2	"	...	
11-45	.539	.962	81.3	62.4	.328	30	Calm	1.2	"	1 at 11-48 A.M.	Eclipse began from SW at 11-48 A.M. and progressed to NE.
12-0	.531	.950	82.6	62.9	.328	30	S	1.6	"	2 at 0-10 P.M.	The sun appeared red and sky blue till 0-48 P.M., when it was dark as twilight.
P.M.											
0-15	.527	.950	81.1	62.9	.348	33	SE	0.8	"	3 at 0-20 "	
0-30	.521	.942	81.7	61.9	.308	28	SE	2.4	"	4 at 0-40 "	The neighbourhood of sun at the greatest obscuration was clear, but at a distance a little dark.
0-45	.511	.933	80.7	62.9	.352	33	Calm	0.8	"	6 at 0-54 "	
1-0	.499	.924	79.7	61.3	.313	30	Calm	0.6	"	7 at 1-13 "	
1-15	.495	.923	78.7	60.9	.314	32	Calm	2.8	"	8 at 1-24 "	
1-30	.489	.916	78.7	61.4	.330	33	Calm	0.4	"	6 at 1-35 "	Shadow began to decrease from 1-30 P.M.
1-45	.483	.908	79.3	61.6	.329	33	E	0.8	"	4 at 1-55 "	
2-0	.481	.902	80.7	62.9	.352	33	E	0.4	"	2 at 2-10 "	
2-15	.479	.898	81.7	63.3	.352	32	Calm	1.2	"	1 at 2-25 "	
2-30	.477	.896	81.7	62.7	.334	31	Calm	1.2	"	0 at 2-44 "	
2-45	.477	.896	81.7	62.3	.320	29	SE	0.4	"	...	Eclipse ended at 2-44 P.M.
3-0	.477	.893	82.6	63.1	.315	30	SE	1.2	"	...	
3-15	.475	.888	83.6	64.4	.367	32	SE	0.8	"	...	
3-30	.472	.886	83.4	64.9	.386	34	Calm	0.4	"	...	
3-45	.472	.887	83.0	63.7	.351	31	Calm	0.4	"	...	
4-0	.472	.888	82.5	63.3	.343	31	E	0.8	"	...	

No. 65. Lat. $21^{\circ} 13' N$.

SURAT.

Long. $72^{\circ} 46' E$.

Two hundred and forty-two miles from central line of totality. Greatest obscuration 8.

Hour.	Barometer.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind.		Cloud proportion.	WEATHER AND OTHER REMARKS.
	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.					Direction.	Amount since preceding interval, in miles per hour.		
A.M.						%				
10-0	30.024	30.006	79.7	59.3	.241	25	E	...	Nil	Fine clear weather.
10-15	.006	.008	81.6	59.9	.229	22	E	5.2	"	Ditto.
10-30	.006	.008	83.1	60.9	.241	22	ESE	3.2	"	Ditto.
10-45	.022	.004	84.6	61.5	.240	21	ESE	3.2	"	Ditto.
11-0	.019	.001	84.8	61.5	.238	20	E	7.2	"	Ditto.
11-15	.013	.004	87.2	63.0	.253	20	E	3.6	"	Ditto.
11-30	.011	.003	87.6	62.9	.246	19	NE	0.3	"	Ditto.
11-45	.005	.006	88.2	64.5	.291	23	ENE	2.0	"	Ditto.
11-55	29.998	.779	87.9	62.3	.222	17	...	...	"	Ditto. Eclipse began at 11.51 A.M.
12-0	9.7	.978	88.4	63.0	.236	18	E	4.0	"	Ditto.
P.M.										
0-5	30.000	.981	89.1	63.5	.216	18	...	...	"	Ditto.
0-10	29.996	.977	88.5	64.5	.287	22	...	...	"	Ditto.
0-15	.991	.972	89.5	63.9	.254	18	SE	2.4	"	Ditto.
0-20	.988	.969	89.8	63.5	.236	17	...	...	"	Ditto.
0-25	.988	.969	89.5	64.7	.281	19	...	...	"	Ditto.
0-30	.982	.963	89.5	63.5	.240	16	ENE	1.2	"	Ditto.
0-35	.979	.960	89.0	63.2	.236	18	...	...	"	Ditto.
0-40	.973	.954	88.9	63.5	.247	18	...	...	"	Ditto.
0-45	.971	.952	89.2	63.5	.244	18	E	1.6	"	Calm weather.
0-50	.969	.950	88.8	63.0	.232	17	...	...	"	Ditto.
0-55	.970	.951	89.2	64.5	.278	21	...	...	"	Ditto.
1-0	.969	.950	88.5	64.5	.287	22	Calm	0.4	"	Ditto.
1-5	.965	.946	88.3	61.5	.290	22	...	...	"	Ditto.
1-10	.963	.944	87.9	64.7	.301	23	...	...	"	Ditto.
1-15	.960	.941	86.6	61.8	.325	25	Calm	0	"	Ditto.
1-20	.959	.940	85.6	65.0	.343	28	...	...	"	Ditto.
1-25	.957	.938	85.6	65.0	.343	28	...	...	"	Ditto.
1-30	.955	.936	84.6	65.5	.375	32	Calm	0.4	"	Ditto.
1-35	.953	.934	84.4	65.8	.388	33	...	...	"	Greatest obscuration was eight-tenths at 1.43 P.M.
1-40	.947	.928	84.4	66.5	.411	35	...	...	"	Dark weather.
1-45	.945	.926	84.8	66.7	.414	35	Calm	0.4	"	Ditto.
1-50	.943	.924	85.2	66.5	.401	34	...	...	"	Ditto.
1-55	.943	.924	85.9	66.1	.378	30	...	...	"	Ditto.
2-0	.943	.924	85.9	66.8	.403	33	NNW	0.4	"	Ditto.
2-5	.939	.920	85.8	67.9	.443	36	...	...	"	Ditto.
2-10	.936	.917	85.6	68.8	.479	39	...	...	"	Ditto.
2-15	.939	.920	86.1	69.8	.511	41	NW	0.8	"	Ditto.
2-20	.941	.922	88.5	71.0	.525	39	...	...	"	Ditto.
2-25	.937	.918	87.2	70.5	.524	41	...	...	"	Ditto.
2-30	.937	.918	87.6	69.8	.490	37	NW	0.8	"	Fine clear weather.
2-35	.933	.914	88.0	70.2	.513	38	...	...	"	Ditto.
2-40	.932	.913	88.1	71.0	.530	40	...	...	"	Ditto.
2-45	.934	.915	88.7	71.7	.542	41	NNW	2.4	"	Eclipse terminated. Duration of the eclipse was 2 hours and 43 minutes.
3-0	.932	.913	89.3	70.5	.591	36	WNW	2.8	"	Ditto.
3-15	.934	.915	90.5	68.9	.418	29	WNW	1.6	"	Ditto.
3-30	.932	.913	90.9	69.3	.433	30	N	2.8	"	Ditto.
3-45	.932	.913	91.3	67.9	.368	25	N	3.2	"	Ditto.
4-0	.932	.913	90.8	68.1	.384	27	NW	2.4	"	Ditto.

No. 66. Lat. $23^{\circ} 16' N$.

BANKURA.

Long, $87^{\circ} 7' E$.

Two hundred and fifty seven miles from central line of totality. Greatest obscuration.

Hour.	BAROMETER.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	WIND.		Cloud proportion.	Proportion of eclipse, totality so.	WEATHER AND OTHER REMARKS.
	Corrected and reduced to $32^{\circ} F$.	Reduced to sea-level and constant gravity.					Direction.	Amount since preceding interval, in miles per hour.			
A.M.											
9-47	29.753	30.012	73.5	61.1	.374	45	Calm	...	Nil	...	Dusky and hazy atmosphere.
10-2	.745	.003	73.6	61.8	.397	47	Calm	.20	"	...	"
10-17	.734	.9992	73.9	61.6	.386	45	Calm	.02	"	...	"
10-32	.729	.986	75.9	63.0	.404	45	Calm	.20	"	...	"
10-47	.724	.980	76.5	63.5	.413	45	Calm	0.6	"	...	"
11-2	.722	.978	76.9	63.5	.408	44	Calm	.22	"	...	
11-17	.716	.972	77.3	63.5	.403	43	Calm	.12	"	...	
11-32	.710	.966	77.5	63.1	.385	41	Calm	.16	"	...	
11-47	.696	.952	77.8	63.3	.369	41	Calm	.14	"	...	
P.M.											
0-2	.686	.940	78.7	63.8	.393	40	WSW	3.0	"	...	
0-17	.675	.929	78.6	63.1	.372	38	WSW	1.6	"	...	The eclipse commenced at 0-37 P.M. towards S. W.
0-32	.674	.927	78.9	63.1	.369	37	Calm	2.0	"	...	
0-42	.664	.916	79.9	63.4	.365	35	Calm	0.6	"	.25	
0-52	.657	.909	79.9	63.0	.351	34	W	3.0	"	.4	
1-2	.656	.908	79.6	63.4	.368	36	Calm	0	"	...	
1-12	.654	.907	78.5	64.0	.404	41	Calm	0.6	"	6	The haze of the atmosphere increased from 11-3 A.M. to 1-12 P.M.
1-22	.645	.898	78.5	63.0	.370	38	Calm	1.2	"	8	
1-32	.642	.896	77.9	63.3	.388	41	Calm	1.2	"	...	Scorcher somewhat brilliant.
1-42	.639	.893	76.9	63.3	.402	44	Calm	0	"	...	
1-52	.642	.897	76.1	63.1	.405	45	Calm	0	"	...	
2-2	.645	.899	76.9	63.5	.408	41	Calm	0.3	"	...	
2-12	.641	.895	77.9	64.0	.411	43	Calm	0.3	"	...	
2-22	.639	.892	78.4	64.5	.422	43	Calm	0.3	"	...	
2-32	.631	.884	78.9	63.2	.371	38	Calm	0.3	"	...	The eclipse finished just after 2-32 P.M.
2-47	.632	.884	79.7	64.0	.387	38	Calm	0	"	...	
3-2	.634	.886	79.9	64.3	.395	38	Calm	0.2	"	...	
3-17	.639	.891	80.4	64.2	.385	37	...	.28	"	...	
3-32	.637	.889	79.9	64.2	.391	38	...	0.6	"	...	

No 6; Lat. $15^{\circ} 50' N$.

KURNOOL.

Long $78^{\circ} 6' E$

Two hundred and fifty eight miles from central line of totality Greatest ob curvature 8

Hour	Barometer		Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure	Relative humidity	Wind direction	Cloud proportion	Solar radiation thermometer corrected	Proportion of eclipse totality	Weather and other remarks
	Madras time.	Corrected and reduced to $32^{\circ} F$	Reduced to sea level and constant gravity								
A M											
10-9	23 114	30 003	78.9	64.4	411	41	NE	Nd	125.1		
10-24	122	29.999	79.9	64.1	323	32	E	"	126.4		
10-39	114	987	80.6	61.0	278	27	Calm	"	128.4		
10-54	113	986	80.4	61.1	284	27	SE	"	129.4		
11-9	108	977	82.0	62.6	309	28	SE	"	129.4		
11-24	108	977	82.4	62.3	296	26	S	"	130.4		
11-39	103	972	82.0	62.2	298	26	S	"	130.4		
11-54	999	965	84.0	63.5	313	27	S	"	128.8	...	At about 1.34 A.M., eclipse commenced from $5^{\circ} 25' W$. The sun was strong for 10 minutes
12-0	995	964	82.0	62.6	309	28	S	"	126.9		
P M											
0-5	990	956	84.0	63.7	321	27	Calm	"	125.4		
0-10	990	956	84.0	63.4	311	26	S	"	121.7	1 at 0.12 P.M.	
0-15	990	957	83.7	63.7	324	28	Calm	"	121.4		
0-20	990	958	83.0	63.0	310	27	Calm	"	121.4	1 at 0.21 P.M.	
0-25	986	954	82.4	62.8	313	28	Calm	"	117.4		
0-30	986	953	83.2	63.3	316	27	SE	"	115.3	2 at 0.30 P.M.	
0-35	982	947	84.0	63.6	315	27	S	"	112.4		
0-40	980	947	83.1	63.3	320	27	SW	"	110.4	2 at 0.39 P.M.	
0-45	980	947	83.0	62.8	304	27	S	"	106.2		
0-50	976	944	82.0	63.2	331	31	SW	"	103.5	3 at 0.48 P.M.	
0-55	972	941	81.5	62.8	324	31	Calm	"	100.2	4 at 0.56 P.M.	Very dark blue and the rays of the sun were distinctly visible on the S and SW of the sun. Wind calm
1-0	970	938	82.5	63.8	344	31	SE	"	96.8		
1-5	967	935	81.8	63.5	344	32	Calm	"	96.4	5 at 1.4 P.M.	
1-10	963	933	81.0	63.6	357	34	Calm	"	94.8	6 at 1.12 P.M.	
1-15	963	932	80.8	63.5	357	34	Calm	"	93.0		
1-20	960	930	81.0	63.8	364	35	Calm	"	90.8	7 at 1.20 P.M.	
1-25	960	932	79.9	62.9	348	34	Calm	"	89.2		
1-30	960	933	79.9	63.7	375	37	Calm	"	86.9	8 at 1.28 P.M.	
1-35	958	932	79.3	63.7	384	38	Calm	"	89.0	8 at 1.36 P.M.	
1-40	957	931	79.7	63.6	375	37	Calm	"	90.0		
1-45	957	929	79.9	63.8	379	37	Calm	"	92.5	7 at 1.44 P.M.	
1-50	955	924	81.0	64.3	381	36	Calm	"	96.8	6 at 1.52 P.M.	
1-55	951	918	83.0	63.8	337	30	Calm	"	100.5		
2-0	948	914	82.0	63.4	336	31	Calm	"	103.6	5 at 2 P.M.	
2-5	948	914	82.0	62.8	518	29	SE	"	108.4		
2-10	948	912	83.0	64.8	371	33	SE	"	111.6	4 at 2.8 P.M.	
2-15	946	909	83.3	65.0	375	33	SE	"	114.4	3 at 2.16 P.M.	
2-20	942	906	83.2	63.8	333	29	SE	"	117.4		
2-25	946	908	84.0	64.1	332	28	SE	Nd	120.4	2 at 2.25 P.M.	
2-30	945	912	83.0	63.6	329	29	SW	"	122.4		
2-35	948	910	84.0	65.8	384	32	SE	"	124.8		
2-40	947	916	84.0	64.8	358	31	SE	"	127.4	1 at 2.34 P.M.	
2-45	947	908	84.9	64.9	349	29	SE	"	128.8		
2-50	944	904	85.2	65.0	359	29	Calm	"	128.8		
2-55	944	906	84.8	65.0	355	29	SE	"	128.4		
3-0	947	907	85.3	65.0	348	28	SE	"	127.2		
3-05	947	908	85.3	63.8	313	26	SE	"	125.1		
3-10	947	908	85.0	64.8	344	29	SE	"	123.6		
3-15	947	908	85.0	64.8	344	29	SE	"	123.6		
3-20	947	908	85.0	64.8	344	29	SE	"	123.6		
3-25	947	908	85.0	64.8	344	29	SE	"	123.6		
3-30	947	908	85.0	64.8	344	29	SE	"	123.6		
3-35	947	908	85.0	64.8	344	29	SE	"	123.6		
3-40	947	908	85.0	64.8	344	29	SE	"	123.6		
3-45	947	908	85.0	64.8	344	29	SE	"	123.6		
3-50	947	908	85.0	64.8	344	29	SE	"	123.6		
3-55	947	908	85.0	64.8	344	29	SE	"	123.6		
4-0	947	908	85.0	64.8	344	29	SE	"	123.6		

At about 1.34 A.M., eclipse commenced from $5^{\circ} 25' W$. The sun was strong for 10 minutes

Very dark blue and the rays of the sun were distinctly visible on the S and SW of the sun. Wind calm

A few patches of cirro-stratus clouds forming in the south and south west above the horizon

At 2.52 P.M., eclipse terminated towards $N 10^{\circ} E$

No. 68. Lat. 23° 14' N.

BURDWAN.

Long. 87° 54' E.

Two hundred and eighty-three miles from Central line of totality. Greatest obscuration 8.

Hour.	BAROMETER.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative Humidity.	Wind.		Cloud proportion.	Proportion of eclipse, totality 10.	WEATHER AND OTHER REMARKS.
	Corrected and reduced to 32° F.	Reduced to sea level and constant gravity.					Direction.	Amount since preceding interval, in miles per hour.			
A.M.						%					
9-29	29.969	30.018	73.0	61.4	.392	48	ENE	...	NW	...	
9-44	'969	'018	74.0	63.3	.441	52	NE	2.8	"	...	
9-59	'963	'012	75.2	63.8	.441	50	NE	1.2	"	...	
10-14	'946	29.995	76.2	64.3	.444	49	NNE	1.2	"	...	
10-29	'950	'998	77.8	63.9	.409	43	NNE	6.4	"	...	
10-44	'945	'993	78.2	64.3	.417	43	NW	2.0	"	...	
10-59	'939	'987	78.8	64.4	.413	41	SSW	1.6	"	...	
11-14	'935	'983	79.1	63.9	.394	39	S	2.4	"	...	
11-29	'925	'973	80.1	64.3	.393	37	S	2.4	"	...	
11-44	'915	'963	81.0	64.8	.412	40	S	3.2	"	...	
11-59	'905	'953	82.6	64.8	.404	39	SW	2.4	"	...	
P.M.											
0-14	'899	'947	81.7	65.7	.420	39	WSW	2.4	"	...	
0-24	'895	'943	81.2	64.3	.377	35	SW	1.2	"	0.2	
0-39	'887	'935	81.6	63.8	.357	33	SW	3.6	"	0.5	
0-54	'887	'935	81.7	64.3	.371	34	WSW	3.6	"	1.0	
0-59	'883	'931	81.2	64.4	.382	33	N	1.2	"	1.5	
0-44	'883	'931	81.2	64.4	.382	33	N	2.4	"	2.0	
0-49	'881	'929	81.4	65.3	.410	38	N	1.2	"	3.3	
0-54	'875	'923	82.3	65.4	.401	36	W	2.4	"	3.5	
0-59	'873	'921	81.2	64.8	.395	37	Calm	0	"	4.0	
1-4	'873	'921	81.6	64.4	.376	34	WSW	3.6	"	4.2	
1-9	'871	'919	81.6	65.3	.415	39	W	4.8	"	4.5	
1-14	'870	'918	80.6	63.6	.362	35	WSW	1.2	"	5.0	
1-19	'870	'918	80.2	63.5	.364	36	WSW	1.2	"	5.5	
1-24	'868	'916	80.2	63.8	.374	36	WSW	1.2	"	6.0	
1-29	'869	'917	79.8	65.3	.431	42	WSW	1.2	"	6.5	
1-34	'867	'915	80.1	65.5	.435	41	Calm	1.2	"	7.0	
1-39	'867	'915	78.6	64.5	.420	43	Calm	0	"	7.5	
1-44	'860	'908	78.6	64.9	.434	44	Calm	0	"	8.0	
1-49	'859	'908	77.2	65.4	.471	50	Calm	1.2	"	7.6	
1-54	'871	'920	77.2	65.3	.473	51	Calm	0	"	7.7	
1-59	'873	'922	78.4	64.9	.465	51	Calm	0	"	7.0	
2-4	'872	'921	76.4	64.9	.463	51	Calm	0	"	6.4	
2-9	'876	'925	78.2	65.3	.479	53	Calm	0	"	5.6	
2-14	'867	'916	76.8	64.9	.456	49	Calm	0	"	4.8	
2-19	'868	'917	76.8	65.3	.472	51	Calm	0	"	4.0	
2-24	'865	'914	77.3	65.3	.473	51	Calm	0	"	3.2	
2-29	'859	'908	77.3	65.3	.473	51	Calm	0	"	2.4	
2-34	'859	'907	78.4	65.3	.457	47	Calm	0	"	1.6	
2-39	'858	'906	79.6	65.6	.444	44	WSW	1.2	"	1.2	
2-44	'856	'904	80.0	65.6	.439	43	WSW	1.2	"	0.8	
2-49	'856	'904	80.1	65.8	.445	43	WSW	1.2	"	0.4	
2-54	'853	'901	80.2	65.3	.426	41	Calm	0	"	0.3	
2-59	'851	'899	80.7	64.3	.384	36	SW	2.4	"	...	
3-14	'847	'895	81.3	65.3	.411	38	W	1.6	"	...	
3-29	'839	'907	81.7	65.7	.420	39	WSW	1.6	"	...	

Obscuration commenced from SSE, and extended towards NW, colour of the sky blue. The rays of the sun were so bright and piercing that it was not practicable to look at it with naked eye.

Sky looked grayish.

The colour of the sky turned yellowish.

Sun began to clear from NW.

Sky assumed its normal colour.

Eclipse terminated.

No. 69. Lat 27° 14' N.

MAINPURI

Long. 79° 3' E.

Two hundred and ninety-five miles from central line of totality. Greatest obscuration 8.

Hour	Barometer		Dry bulb corrected	Wet bulb corrected	Apparent vapour pressure	Relative humidity	Wind.		Cloud proportion	Weather and other remarks
	Corrected and reduced to 32° F	Reduced to sea level and constant gravity					Direction.	Amount since preceding interval, in miles per hour		
A M						%				
10-0	29.337	30.034	70.6	55.1	23.1	31	NNW		Nil	
10-15	541	037	71.5	55.6	23.2	30	NNW	8.4	"	
10-30	534	029	72.5	56.0	23.1	29	WNW	8.8	"	
10-45	531	024	74.3	57.0	23.7	27	WNW	4.4	"	
11-15	525	015	75.5	57.8	24.6	27	WNW	10.4	"	
11-45	516	004	76.7	58.2	24.1	26	W	3.0	"	
12-0	512	20.999	76.9	58.4	24.5	26	W	6.4	"	
P M										
0-15	503	989	78.3	58.9	24.0	25	NNW	9.6	"	Fine clear weather
0-30	501	988	78.0	59.1	25.0	26	NNW	4.0	"	
0-45	498	985	78.0	59.0	24.8	26	W	6.8	"	
1-0	494	981	76.7	58.1	23.9	26	N	7.6	"	
1-15	492	981	75.8	57.9	24.2	27	W	5.6	"	
1-30	482	974	74.7	57.6	25.0	30	W	6.0	"	
1-45	480	973	73.7	58.0	27.5	33	W	4.4	"	
2-0	474	966	74.0	58.8	29.6	36	W	2.4	"	
2-15	464	954	75.0	59.0	28.8	33	W	3.6	"	
2-30	459	947	70.0	59.1	27.7	31	W	4.4	"	
2-45	458	945	76.6	59.3	27.6	30	W	5.6	"	
3-0	461	948	76.5	59.0	26.8	29	W	7.6	"	
3-15	458	946	76.1	58.7	26.3	29	W	7.0	"	
3-30	466	953	76.3	59.5	28.7	32	W	6.8	"	
3-45	469	957	75.9	59.3	28.7	32	W	2.0	"	
4-0	469	958	75.7	59.0	27.9	31	WNW	7.2	"	

No. 7D. Lat. 24° 27' N.

Two hundred and ninety-five miles from central line of totality. Greatest obscuration 8.

HOURS.	BAROMETER.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	WIND.		Cloud proportion.	Proportion of eclipse, totality 10.	WEATHER AND OTHER REMARKS.
	Corrected and reduced to 32° F.	Reduced to sea level and constant gravity.					Direction.	Amount since preceding interval, in miles per hour.			
Madras time.	"	"	"	"	"	%					
A.M.											
9-21	30'008	30'008	67.4	61.5	'469	70	NNW	...	NH.	...	Clear and bright.
9-36	'006	'006	68.4	61.5	'456	65	NNW	0.8	"	...	Idito.
9-51	'005	'005	68.8	62.5	'483	69	W	0.8	"	...	Idito.
10-6	'003	'003	69.4	63.3	'502	70	SW	0.4	"	...	Idito.
10-21	29'986	29'986	69.8	62.9	'483	66	SW	0.4	"	...	Idito.
10-36	'984	'984	70.6	62.5	'459	62	N	0.8	"	...	Idito.
10-51	'980	'980	72.1	62.5	'439	56	NNW	0.4	"	...	Idito.
11-6	'977	'977	72.4	61.7	'409	51	W	0.4	"	...	Idito.
11-21	'961	'961	72.9	62.7	'435	53	NW	0.4	"	...	Idito.
11-36	'953	'953	73.8	62.5	'416	50	Calm	0.8	"	...	Idito.
11-51	'943	'943	74.6	63.0	'423	50	Calm	0.4	"	...	Idito.
P.M.											
0-6	'937	'936	75.1	62.1	'386	44	Calm	2.8	"	...	Idito.
0-21	'932	'931	75.3	61.1	'351	40	Calm	2.8	"	...	Idito.
0-36	'932	'931	76.6	62.7	'385	42	Calm	0.8	"	1	Idito.
0-41	'920	'919	76.6	62.7	'385	42	Calm	1.2	"	1	Idito.
0-46	'920	'919	76.6	62.5	'379	41	SSW	1.2	"	2	Idito.
0-51	'920	'919	76.6	62.5	'379	41	SSW	1.2	"	2	Idito.
0-56	'920	'919	76.6	62.5	'379	41	NNW	10.8	"	2	Idito.
1-1	'920	'919	76.6	62.5	'379	41	Calm	8.4	"	3	Idito.
1-6	'914	'913	76.6	62.5	'379	41	Calm	0	"	3	Idito.
1-11	'914	'913	76.6	62.7	'385	42	Calm	0	"	3	Idito.
1-16	'913	'912	76.1	62.5	'386	43	Calm	0	"	4	Getting dark.
1-21	'911	'910	75.8	62.3	'383	43	W	3.6	"	5	Idito.
1-26	'912	'911	75.6	62.0	'376	43	W	1.2	"	6	Idito.
1-31	'910	'909	75.6	62.0	'376	43	Calm	1.2	"	6	Idito.
1-36	'910	'909	75.1	62.3	'392	44	Calm	0	"	7	Idito.
1-41	'909	'909	74.9	63.0	'418	48	Calm	0	"	7	Idito.
1-46	'906	'906	74.6	62.5	'406	48	Calm	0	"	8	Rather dark.
1-51	'902	'902	74.4	63.3	'435	51	Calm	0	"	8	Idito.
1-56	'902	'902	73.4	63.5	'455	55	Calm	0	"	7	Idito.
2-1	'901	'901	73.1	63.5	'459	57	Calm	0	"	7	Getting bright.
2-6	'900	'900	72.8	63.5	'463	57	Calm	0	"	6	Idito.
2-11	'899	'899	73.2	63.5	'457	56	Calm	0	"	5	Brighter.
2-16	'899	'899	73.4	63.5	'455	55	Calm	0	"	4	Idito.
2-21	'899	'899	73.6	64.5	'487	58	Calm	0	"	3	Clear and bright.
2-26	'902	'902	74.1	63.5	'446	54	Calm	0	"	3	Idito.
2-31	'902	'902	74.1	63.5	'446	54	Calm	0	"	2	Idito.
2-36	'902	'902	74.6	64.1	'459	54	Calm	0	"	2	Idito.
2-41	'902	'902	74.6	64.5	'474	55	Calm	0	"	1	Idito.
2-46	'902	'902	74.8	63.3	'430	50	Calm	0	"	1	Idito.
2-51	'902	'901	75.1	63.5	'433	50	Calm	0	"	1	Idito.
2-56	'902	'901	75.1	63.5	'433	50	Calm	0	"	1	Idito.
3-1	'902	'901	75.6	63.5	'426	48	Calm	0	"	1	Idito.
3-6	'900	'899	75.1	61.5	'367	43	SW	4.8	"	...	Idito.
3-21	'901	'900	75.1	62.5	'399	46	SW	0.4	"	...	Idito.

No. 71. Lat. 22° 16' N

MIDNAPUR.

Long 87° 22' E.

Three hundred and four miles from central line of totality Greatest obscuration 8

Hour	BAROMETER		Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure.	Relative humidity	Wind Direction	Cloud proportion	WEATHER AND OTHER REMARKS
Midday time	Corrected and reduced to 32° F	Reduced to sea level and constant gravity							
A M	"	"	"	"	"	%	N	Nil	Light airs and calms throughout day
9-31	29.916	30.016	73.6	61.8	397	47	N	Nil	
9 46	916	015	75.6	62.8	402	45	N	"	
10-1	909	008	75.6	62.8	402	45	Calm	"	
10-16	910	009	76.6	63.8	432	46	N	"	
10-31	907	005	78.6	63.8	395	40	Calm	"	
10 46	903	001	79.5	64.8	418	41	NW	"	
11 1	896	29.994	79.5	64.8	418	41	Calm	"	
11-16	890	988	79.5	64.8	418	41	SE	"	
11-31	880	978	80.5	64.8	404	39	S	"	
11-46 P M	872	970	81.5	64.8	391	36	SW	"	Fine clear weather
0-1	866	964	81.5	64.8	391	36	S	"	
0 16	858	956	81.5	64.8	391	36	S	"	
0-31	856	954	81.5	64.8	391	36	S	"	
0 36	854	952	81.5	64.8	391	36	S	"	
0 41	850	948	80.5	63.8	370	36	SW	"	
0 46	850	948	80.5	63.8	370	36	S	"	
0 51	848	946	81.5	63.8	356	34	S	"	
0 56	848	946	81.5	63.8	356	34	S	"	
1-1	846	943	82.5	64.8	378	35	S	"	
1 6	844	941	82.5	64.8	378	35	S	"	
1 11	844	942	81.5	64.8	391	36	S	"	
1 16	840	938	81.5	64.8	391	36	Calm	"	
1 21	838	936	81.5	63.8	356	34	Calm	"	
1-26	838	936	81.5	63.8	356	34	Calm	"	
1 31	838	936	81.5	63.8	356	34	Calm	"	
1 36	834	932	81.5	63.8	356	34	Calm	"	
1 41	830	928	79.5	63.8	383	38	S	"	
1 46	830	928	79.5	63.8	383	38	S	"	
1-51	828	926	79.5	63.8	383	38	S	"	
1-56	828	926	79.5	63.8	383	38	S	"	
2 1	828	926	79.5	63.8	383	38	S	"	
2 6	828	926	79.5	63.8	383	38	S	"	
2 11	826	924	80.5	63.8	370	36	S	"	
2 16	826	924	80.5	63.8	370	36	S	"	
2 21	826	924	80.5	63.8	370	36	S	"	
2 26	826	924	81.5	63.8	356	34	SE	"	
2 31	826	924	81.5	63.8	356	34	S	"	
2 36	824	922	81.5	63.8	356	34	S	"	
2 41	824	922	81.5	63.8	356	34	Calm	"	
2-46	824	922	81.5	63.8	356	34	S	"	
2 51	824	922	81.5	63.8	356	34	S	"	
2 56	824	922	81.5	63.8	356	34	S	"	
3 1	824	922	81.5	63.8	356	34	S	"	
3-16	828	925	82.5	63.8	343	32	SW	"	
3 31	820	917	82.5	63.8	343	32	Calm	"	

No. 72. Lat. 24° 45' N.

MYMENSINGH.

Long. 90° 27' E.

Three hundred and seven miles from central line of totality. Greatest obscuration 8.

Hour.	Barometer.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind Direction.	Cloud. kind and proportion.	Proportion of eclipse, totality to.	WEATHER AND OTHER REMARKS.
Madras time.	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.								
A.M.	"	"	"	"	"	%				
9-19	30.003	30.020	67.8	61.8	.473	70	ENE	Nil	...	
9-29	.012	.024	68.6	62.3	.483	69	ENE	"	...	
9-39	.009	.021	69.1	62.3	.483	67	ENE	"	...	
9-49	.009	.021	69.6	62.4	.473	64	ENE	"	...	
9-59	.000	.012	70.1	62.6	.469	64	ENE	"	...	
10-9	.000	.012							...	
10-19	29.996	.008	71.1	62.8	.462	61	ENE	"	...	
10-29	.990	.002	71.2	63.0	.468	61	ENE	"	...	
10-39	.988	.000	71.6	62.8	.473	58	ENE	"	...	Hazy, sky white with dust haze.
10-49	.981	29.993	72.2	62.8	.467	56	ENE	"	...	
10-59	.979	.991	72.2	62.9	.471	57	ENE	"	...	
11-9	.979		73.2	63.3	.465	57	ENE	"	...	
11-19	.972	.984	73.0	63.8	.470	57	ENE	"	...	
11-29	.962	.974	73.7	64.2	.475	57	ENE	"	...	
11-39	.956	.968	73.9	64.3	.476	56	ENE	"	...	
11-49	.950	.962	74.0	64.2	.480	55	ENE	"	...	
11-59	.944	.955	74.4	64.3	.465	55	ENE	"	...	
P.M.										Do. fine weather with passing clouds.
0-9	.940	.952	75.1	64.8	.477	55	ENE	Ca., A. Cu.	...	
0-19	.931	.942	75.1	64.8	.477	55	ENE	Ca., A. Cu.	...	
0-29	.931	.942	75.1	64.8	.477	55	ENE	Ca., A. Cu.	...	
0-34	.929	.940	75.4	64.8	.463	53	Calm	Ca., A. Cu.	...	Eclipse commenced from W.N.W. Sky white or light blue.
0-39	.922	.933	75.3	64.8	.466	47	W	Ca., A. Cu.	1	
0-44	.922	.933	75.3	64.8	.466	47	W	Ca., A. Cu.	2	
0-49	.918	.929	75.3	64.8	.433	49	Calm	Ca., A. Cu.	2	Sky and clouds white or light blue. Hazy.
0-54	.920	.937	75.0	64.8	.430	48	Calm	Ca., A. Cu.	3	Eclipse increasing.
0-59	.918	.929	75.0	64.8	.396	45	WNW	Ca., A. Cu.	3	
1-4	.918	.929	75.8	62.9	.403	45	W	Ca., A. Cu.	4	
1-9	.916	.927	75.1	63.0	.402	45	Calm	Ca., A. Cu.	5	
1-14	.914	.925	75.2	62.1	.371	41	W	Ca., A. Cu.	5	
1-19	.914	.925	75.9	62.5	.388	44	Calm	Ca., A. Cu.	5	Sky and cloud nearly white or light blue. Hazy.
1-24	.912	.923	75.8	62.6	.392	45	Calm	Ca., A. Cu.	6	
1-29	.915	.926	75.4	62.9	.409	46	Calm	Ca., A. Cu.	6	
1-34	.911	.922	75.3	62.8	.406	46	Calm	Ca., A. Cu.	7	
1-39	.909	.921	74.9	63.8	.446	52	Calm	A. Cu.	7	
1-44	.905	.917	74.1	63.8	.456	54	Calm	A. Cu.	8	
1-49	.901	.913	74.0	63.8	.457	54	Calm	A. Cu.	7	Sky light blue. Clouds light blue and yellowish white
1-54	.904	.916	73.3	64.8	.501	61	Calm	A. Cu.	7	
1-59	.900	.912	72.6	64.8	.510	64	Calm	Nil	6	
2-4	.900	.912	72.5	64.3	.498	61	Calm	"	6	
2-9	.906	.918	72.2	64.4	.499	63	Calm	"	5	
2-14	.906	.918	72.8	65.3	.525	65	Calm	"	5	
2-19	.900	.912	73.1	66.0	.546	67	Calm	"	4	Sky light blue, and hazy. No clouds visible.
2-24	.902	.914	73.7	66.0	.537	64	Calm	"	4	
2-29	.900	.912	74.0	64.0	.464	55	Calm	"	3	
2-34	.893	.910	74.5	63.6	.444	52	Calm	"	3	
2-39	.898	.910	74.0	64.1	.462	53	Calm	"	2	
2-44	.904	.915	75.0	63.8	.445	52	Calm	"	2	
2-49	.897	.908	75.3	63.8	.440	50	Calm	"	1	
2-54	.901	.912	75.3	62.8	.406	46	Calm	"	1	
2-59	.897	.908	75.8	62.9	.403	45	Calm	"	1	
3-4	.901	.912	76.0	62.8	.396	45	Calm	"	...	Eclipse terminated.
3-9	.897	.908	75.8	62.3	.383	43	Calm	"	...	Sky clear.
3-19	.901	.912	75.8	62.1	.376	42	Calm	"	...	Do.

No 73 Lat. 23° 23' N.

KRISHNAGHUR.

Long. 88° 38' E

Three hundred and eight miles from central line of totality Greatest obscuration 8

Hour	Barometer		Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure.	Relative humidity	Wind		Cloud proportion	Proportion of eclipse totality so	Weather and other remarks.
	Corrected and reduced to 32° F	Reduced to sea level and constant gravity					Direction	Amount since preceding interval in m. lbs. per hour			
Madras time											
A.M.	"	"	"	"	"	%					
9-26	30°040	30°037	73.4	61.6	392	48	ESE	1	Nil		Blue sky
9 41	033	030	73.5	61.9	401	49	ESE	4.8	"		Do. do.
9 56	026	022	74.6	62.3	399	46	E	4.4	"		Do. do.
10 11	018	014	75.7	63.3	416	46	SE	4.8	"	1	Do. do.
10 26	012	008	76.8	64.0	426	46	SSE	4.0	"		Do. do.
10 41	009	005	76.4	63.3	408	45	ENE	3.2	"		Do. do.
10 56	002	29.998	77.6	64.0	416	44	WSW	4.8	"		Do. do.
11 11	001	997	77.6	62.5	366	39	S	2.8	"		Do. do.
11 26	29.993	989	77.9	63.0	377	39	SSW	3.2	"		Do. do.
11 41	985	981	78.8	64.5	417	42	S	2.4	"		Do. do.
11 56	972	968	79.2	64.9	425	42	ENE	2.4	"		Do. do.
P.M.											
0 11	958	954	79.8	64.2	390	38	NNW	4.8	"		Do. do.
0 26	951	947	80.9	64.2	378	36	WNW	5.2	"		Do. do.
0 41	947	943	81.2	64.6	389	37			"	2	Do. do.
0 46	945	941	81.4	64.2	377	35			"	2	Do. do.
0 51	943	939	80.7	63.8	366	35	WSW	4.1	"	3	Do. do.
1 6	931	927	79.8	63.9	381	37			"	4	Do. do.
1 11	931	927	79.9	63.3	362	35			"	4	Do. do.
1 16	921	917	79.5	62.6	342	34	NNW	5.5	"	5	Do. do.
1 31	924	920	78.7	63.0	367	36			"	6	Do. do.
1 36	926	922	78.8	62.8	359	37			"	7	Do. do.
1 41	925	921	77.7	63.8	406	43	WNW	3.1	"	8	Do. do.
1 56	925	921	76.5	64.1	432	47			"	8	Do. do.
2 1	922	918	75.3	64.3	457	52			"	7	Do. do.
2 6	921	917	75.2	64.7	472	54	WSW	0.7	"	7	Do. do.
2 21	920	916	76.2	65.3	478	53			"	6	Do. do.
2 26	922	918	76.3	65.7	486	55			"	4	Do. do.
2 31	920	916	78.5	65.9	470	48	NNW	1.0	"	3	Do. do.
2 46	918	914	79.4	64.9	423	42			"	2	Do. do.
2 51	919	915	79.6	64.7	412	41			"	1	Do. do.
2 56	918	914	80.5	64.3	388	37	NNW	2.4	"		Do. do.
3 11	919	915	80.3	63.9	375	36	W	4.4	"		Do. do.
3 26	921	917	80.4	64.3	389	37	WNW	4.8	"		Do. do.

No unusual appearance of the sun
braky except that there was a
hazy milder

No. 74. Lat. 28° 21' N.

BAREILLY.

Long. 79° 27' E.

Three hundred and thirty-five miles from central line of totality. Greatest obscuration 8.

Hour.	Barometer.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind.		Cloud proportion.	Proportion of eclipse, totality 10.	Weather and other remarks.
	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.					Direction.	Amount since preceding interval, in miles per hour.			
A.M.						%					
10-5	29.468	30.032	59.8	52.2	298	57	NW	...	NH		
10-10	482	047	60.1	52.8	304	59	NW	1.7	"		
10-17	476	040	61.3	53.6	310	57	NW	1.7	"		
10-24	474	037	60.8	53.2	306	57	NW	1.7	"		
10-31	467	030	61.6	53.5	305	56	NW	0.9	"		
10-38	469	030	62.6	54.2	310	54	Calm	0	"		
10-45	469	031	62.8	54.6	319	56	Calm	0.9	"		
10-52	467	029	62.8	54.5	317	56	NW	0.9	"		
11-3	465	025	63.2	55.2	331	57	Calm	0	"		
11-9	459	018	64.2	55.7	332	55	NW	1.0	"		
11-15	461	020	64.2	55.6	347	55	Calm	0	"		
11-21	458	016	64.8	56.2	339	55	Calm	0	"		
11-27	456	013	65.8	57.0	350	55	Calm	0	"		
11-33	452	010	65.4	56.4	337	53	NW	1.0	"		
11-39	448	005	66.0	56.8	342	54	NW	1.0	"		
11-45	446	002	66.8	57.6	361	55	NW	0.5	"		
11-51	446	002	67.4	58.0	358	54	Calm	0	"		
P.M.											
0-3	440	29.996	67.4	57.9	357	53	Calm	0	"		
0-9	440	995	67.6	58.0	356	53	Calm	0	"		
0-15	434	987	68.8	58.7	362	52	Calm	0	"		0-14 P.M. Eclipse commenced. Perfectly clear and cloudless sky. Perfect calmness.
0-21	436	989	68.8	58.7	362	52	Calm	0	"		
0-27	433	986	69.0	58.2	343	48	NW	0.5	"		
0-33	424	975	69.8	59.2	363	49	NW	2.0	"		
0-39	424	976	69.3	58.8	358	49	NW	1.0	"		
0-45	424	975	69.6	59.2	363	49	NW	1.0	"		
0-51	422	974	68.8	58.2	346	49	NW	1.0	"		
1-3	416	968	69.4	58.9	389	49	Calm	0	"		
1-11	414	966	69.2	58.5	350	48	NW	1.5	"		
1-19	418	970	68.8	58.2	346	49	NW	0.8	"	8 at 1-20 P.M.	1-20 P.M. Sky assumed a dull leaden hue.
1-27	416	968	68.8	57.8	334	47	NW	0.8	"		
1-35	416	969	68.2	58.2	354	51	NW	0.4	"		
1-43	408	961	67.8	57.7	345	51	Calm	0	"		1-39 P.M. Greatest darkness due to eclipse.
1-51	404	958	67.6	58.7	377	56	Calm	0	"		
2-3	396	948	68.8	58.2	346	49	Calm	0	"		
2-10	396	948	69.2	59.2	364	52	Calm	0	"		
2-17	394	945	69.8	58.6	345	48	NW	0.4	"		
2-24	394	945	70.2	58.2	327	44	NW	0.9	"		
2-31	396	946	70.8	59.0	344	45	NW	3.4	"		
2-38	394	944	70.8	59.0	344	45	NW	1.7	"		
2-45	391	943	71.8	59.6	349	45	NW	3.4	"		
2-52	398	946	72.6	59.0	320	41	NW	3.4	"		
3-3	393	941	72.8	60.2	356	44	NW	1.1	"		3 P.M. eclipse ended.
3-9	391	940	72.4	59.7	329	42	NW	3.0	"		
3-15	391	939	72.8	60.0	349	43	NW	3.0	"		
3-21	391	939	72.8	59.2	324	41	NW	4.0	"		
3-27	393	942	73.3	59.6	329	41	NW	3.0	"		
3-33	395	943	72.8	59.2	324	41	NW	3.0	"		
3-39	399	946	73.2	59.2	319	39	NW	4.0	"		
3-45	401	949	72.8	59.2	324	41	NW	4.0	"		
3-51	405	952	73.3	59.2	318	39	NW	4.0	"		

No. 75. Lat 21° 30' N.

BALASORE.

Long 86° 58' E

Three hundred and thirty-eight miles from central line of totality. Greatest obscuration 8.

Hour	BAROMETER		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure	Relative humidity	Wind.		Cloud proportion	WEATHER AND OTHER REMARKS
	Madras time	Corrected and reduced to 32° F					Direction	Amount since preceding observation, in miles per hour		
A M						%				
9 33	30 037	30°031	72 5	65 3	530	66	Calm	"	Nil	Fine clear weather during the whole day.
9 48	032	026	74 0	66 2	540	64	Calm	0	"	
10 3	021	014	75 3	67 2	559	64	Calm	0	"	
10 18	018	011	76 4	67 2	545	60	Calm	0	"	
10 33	014	007	77 0	67 6	550	59	Calm	0	"	
10 48	006	20999	78 5	69 1	583	60	Calm	0	"	
11 3	20999	992	78 8	69 2	586	60	Calm	0	"	
11 18	986	970	79 5	69 2	576	57	Calm	0	"	
11 03	984	977	80 5	71 2	640	61	Calm	0	"	
11 48 P M	980	973	81 3	70 2	591	56	Calm	0	"	
0- 3	972	965	81 5	70 2	588	55	Calm	0	"	
0 18	963	956	82 0	70 2	581	53	NW	8 4	"	Eclipse commenced at 0 25 P M
0 23	963	956	82 0	70 2	581	53	NW	0	"	
0 33	955	948	81 5	69 2	550	51	Calm	0	"	
0 38	957	950	82 1	69 2	540	49	SSE	1 2	"	
0 43	948	941	81 5	69 3	561	52	Calm	0	"	
0 48	954	947	82 3	69 2	539	49	Calm	0	"	
0 53	957	950	82 3	69 2	539	49	Calm	0	"	
0 58	949	942	82 4	70 2	476	52	SSE	1 2	"	
1- 3	945	939	82 3	69 2	539	49	Calm	0	"	
1- 8	950	943	82 1	69 2	540	49	Calm	0	"	
1 13	946	941	81 5	70 2	588	55	Calm	0	"	
1 18	944	937	81 3	71 2	630	59	Calm	0	"	
1 23	946	939	80 5	70 2	601	57	Calm	0	"	
1 28	942	935	79 4	68 9	547	57	SSE	1 2	"	
1 33	942	935	78 5	68 2	553	57	SSE	1 2	"	
1 38	942	935	77 5	69 2	604	64	SSE	1 2	"	
1 43	940	933	76 8	69 2	613	67	SSE	1 2	"	
1 48	947	940	76 2	69 0	614	68	S	2 4	"	Sun obscured eight-tenths during the eclipse the colour of the sky was more blue than at noon
1 53	933	926	75 5	69 0	623	71	S	2 4	"	
1 58	941	934	75 5	68 2	593	67	S	1 2	"	
2- 3	937	930	75 5	68 2	593	67	S	2 4	"	
2- 8	935	928	75 4	69 0	623	71	S	1 2	"	
2 13	935	928	75 5	69 0	623	71	S	2 4	"	
2 18	937	930	75 5	69 2	631	71	S	3 6	"	
2 23	929	922	75 5	69 2	631	71	S	3 6	"	
2 28	931	924	76 5	69 6	631	69	S	0	"	
2 33	929	922	76 9	70 0	641	69	S	2 4	"	
2 38	927	920	77 5	70 2	642	68	S	3 6	"	
2 43	931	924	78 0	70 2	635	66	S	2 4	"	
2 48	931	924	78 0	70 2	635	66	S	2 4	"	
2 53	926	919	78 4	70 9	657	68	S	6 0	"	
2 58	924	917	79 2	71 2	653	66	S	2 4	"	
3- 3	930	923	79 3	71 2	657	66	S	4 8	"	Eclipse terminated at 3 7 M
3 13	932	925	79 5	71 2	654	65	S	3 6	"	
3 23	929	922	80 0	71 2	646	63	S	0 6	"	
3 33	939	932	79 5	71 2	654	65	S	2 4	"	

Three hundred and thirty-eight miles from central line of totality. Greatest obscuration 8.

Hour.	Barometer		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind.		Cloud.		Proportion of eclipse totality to.	Weather and other remarks.
	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.					Direction.	Amount since preceding interval, in miles per hour.	Proportion.	Kind.		
A. M.												
9-2	29.757	30.06	61.7	58.4	.447	81	Calm	..	Nil	...	...	Clear weather.
9-17	.751	.057	62.4	59.5	.470	83	Calm	.08	"	...	...	Fine clear weather.
9-32	.742	.047	63.9	60.3	.477	80	SSE	...	"	...	...	Iditto.
9-47	.737	.042	64.1	60.0	.465	78	SSE	.08	"	...	...	Iditto.
10-2	.731	.035	65.0	60.9	.485	78	SE	.36	"	...	...	Iditto.
10-17	.722	.026	65.9	61.7	.495	78	Calm	.08	"	...	...	Iditto.
10-32	.716	.019	66.8	62.0	.493	75	SE	.04	"	...	...	Cu. clouds on the S E. horizon.
10-47	.704	.006	68.0	62.8	.503	73	SE	.08	1	Cu.	...	Iditto ditto.
11-2	.690	.29992	68.5	62.8	.497	71	SW	.264	1	Cu.	...	Iditto ditto.
11-17	.680	.980	69.9	63.6	.505	69	SSW	.24	1	Cu.	...	Cu. cloud increasing to the E. and S.
11-32	.671	.971	70.3	63.9	.509	68	SSW	.40	1	Cu.	...	Cu. cloud increasing.
11-47	.665	.964	71.4	64.7	.523	68	SSW	.40	2	Cu.	...	Iditto ditto.
P. M.												
0-2	.659	.958	71.9	63.8	.486	62	SW	.52	2	Cu.	...	Iditto ditto.
0-17	.653	.952	71.9	64.1	.496	63	SW	.32	3	Cu.	...	
0-32	.640	.938	72.9	64.8	.507	63	SSW	.36	3	Cu.	...	
0-47	.634	.931	72.7	63.9	.478	59	SSW	.28	3	Cu.	...	Eclipse began from S.W.
1-2	.630	.927	73.1	64.6	.497	61	SSW	.28	3	Cu.	1.3	
1-7	.618	.925	73.0	63.3	.453	56	WSW	...	3	Cu.	...	
1-12	.628	.925	72.9	63.2	.451	56	WSW	.42	3	Cu.	...	Hazy appearance of the horizon.
1-17	.628	.925	72.8	63.1	.449	56	SW	.36	3	Cu.	...	Weather getting cooler.
1-22	.628	.925	72.6	63.1	.452	56	Calm	.12	3	Cu.	...	
1-27	.628	.925	72.3	62.9	.448	57	SW	.24	Nil	...	...
1-32	.628	.926	71.9	62.7	.448	57	SW	...	2	Cu.	...	Weather cool and hazy near the horizon.
1-37	.628	.926	71.7	62.8	.453	58	SW	.30	2	Cu.	...	
1-42	.628	.926	71.2	62.6	.455	59	Calm	...	1	Cu.	...	
1-47	.628	.926	71.1	62.6	.456	60	SW	.24	1	Cu.	3	Hazy appearance.
1-52	.628	.926	71.0	62.8	.463	61	Calm	.12	Nil	...	...
1-57	.628	.926	70.9	62.7	.461	61	Calm	...	"	...	...
2-2	.628	.927	70.0	62.8	.477	65	Calm	0	"	...	...
2-7	.628	.927	70.0	62.9	.481	66	Calm	0	"	...	...
2-12	.632	.931	69.8	62.7	.477	66	Calm	0	"	...	...	Partial darkness; eclipse greatest.
2-17	.634	.933	70.0	62.7	.475	65	Calm	.12	"	...	...	Eclipse began to decrease.
2-22	.630	.929	69.5	62.9	.487	68	Calm	0	"	...	...
2-27	.630	.929	69.5	62.9	.487	68	Calm	.12	"	...	...
2-32	.628	.927	69.6	62.8	.483	67	Calm	.12	"	...	...
2-37	.628	.927	69.8	62.8	.480	66	Calm	0	"	...	...
2-42	.628	.927	70.0	63.0	.484	66	Calm	0	"	...	...
2-47	.632	.931	70.3	63.2	.487	66	Calm	0	"	...	...
2-52	.632	.930	70.9	62.9	.468	62	Calm	0	"	...	...
2-57	.634	.932	70.9	63.0	.470	62	Calm	0	"	...	...
3-2	.634	.933	70.3	63.8	.507	68	Calm	0	"	...	...
3-7	.635	.933	71.2	63.8	.493	64	Calm	0	"	...	...	Complete disappearance of the eclipse.
3-22	.633	.932	70.3	63.9	.509	68	Calm	0	1	A.S.	...	
3-37	.639	.938	69.9	63.2	.491	67	Calm	0	2	A.S.	...	

No 77. Lat. $23^{\circ} 36' N$.

FARIDPUR

Long. $89^{\circ} 52' E$

Three hundred and forty one miles from central line of totality Greatest obscuration 8

Hour.	BAROMETER		Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure	Relative humidity	Wind direction	Cloud proportion	Proportion of eclipse totality to.	WEATHER AND OTHER REMARKS
Madras time	Corrected and reduced to $32^{\circ} F$	Reduced to sea level and constant gravity								
A.M.	"	"	"	"	"	%				
9 21	30.035	30.030	70.9	62.2	446	58	Calm	Nil		Light variable airs and calms throughout the day
9 36	031	026	72.9	63.7	468	58	Calm	"		
9 51	025	020	72.1	63.2	462	58	Calm	"		
10 6	018	013	74.6	64.2	462	54	Calm	"		
10 21	018	013	74.1	63.2	435	51	Calm	"		
10 36	012	006	75.1	64.2	456	52	Calm	"		
10 51	000	29.994	76.1	63.2	408	45	Calm	"		
11 6	29.991	985	77.1	65.2	463	49	Calm	"		
11 21	'987	981	76.9	64.2	432	47	Calm	"		
11 36	'983	977	77.9	64.7	436	46	Calm	"		
11 51	'976	970	77.6	64.2	422	44	Calm	"		
P.M.										
12 6	'971	965	77.9	65.2	453	47	Calm	"		
0 21	'959	'953	78.1	66.2	485	50	Calm	"		
0 36	'958	952	78.1	64.7	433	45	Calm	"		Eclipse commenced
0 41	'954	948	79.1	65.2	436	43	Calm	"		
0 46	'952	946	79.1	66.2	471	47	Calm	"		
0 51	946	942	78.6	65.2	443	45	Calm	"	2	
0 56	948	942	78.1	64.7	433	45	Calm	"		
1 1	'948	'942	78.1	64.2	415	43	Calm	"		
1 6	'948	942	79.1	65.2	436	43	Calm	"	3	
1 11	940	'934	78.1	64.2	415	43	Calm	"		
1 16	940	'934	78.1	64.2	415	43	Calm	"		
1 21	'936	'930	78.1	63.7	398	41	Calm	"	5	
1 26	938	932	77.6	63.2	388	41	Calm	"		
1 31	'938	932	77.1	63.2	395	42	Calm	"		
1 36	938	'932	77.1	63.2	395	42	Calm	"	6	
1 41	'939	'933	77.1	63.2	395	42	Calm	"		
1 46	'935	'929	76.1	63.7	425	47	Calm	"	8	Weather cool and hazy Rays of the sun appeared yellow
1 51	937	931	76.1	63.7	425	47	Calm	"	7	
1 56	937	'931	75.1	63.2	422	48	Calm	"		
2 1	934	'928	75.1	63.2	422	48	Calm	"		
2 6	935	930	74.1	64.2	469	55	Calm	"		
2 11	932	927	74.1	64.2	469	55	Calm	"		
2 16	932	'927	74.1	63.2	503	59	Calm	"		
2 21	'932	'927	74.6	66.2	512	61	Calm	"		
2 26	'932	926	75.1	66.2	525	60	Calm	"		
2 31	930	924	75.1	65.2	490	56	Calm	"		
2 36	929	923	76.1	65.2	477	53	Calm	"		
2 41	929	923	76.6	65.2	470	51	Calm	"		
2 46	929	923	77.1	65.2	463	49	Calm	"		
2 51	'927	921	77.1	64.2	429	46	Calm	"		
2 56	926	920	77.1	64.7	446	48	Calm	"		
3 1	'924	918	77.1	63.2	395	42	Calm	"		
3 21	'931	'925	77.1	63.2	395	42	Calm	"		Eclipse ended

No. 78. Lat. 22° 32' N.

CALCUTTA (ALIPORE).

Long 88° 20' E.

Three hundred and forty-one miles from central line of totality. Greatest obscuration 8.

Hour.	BAROMETER.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	WIND.		Cloud proportion.	Proportion of eclipse, totality 10.	WEATHER AND OTHER REMARKS.
	Msdns time.	Corrected and reduced to 32° F.					Direction.	Amount since preceding interval, in miles per hour.			
A.M.			0	*	*	%					
9-28	30°052	30°019	71°5	62°3	440	57	SW	...	Nil	...	
9-43	052	019	72°0	61°6	410	52	WSW	4°0	"	...	
9-58	048	015	72°5	63°3	460	57	WSW	20°0	"	...	
10-13	043	010	73°6	63°9	472	56	WSW	6°0	"	...	
10-28	040	007	74°1	63°5	446	53	WSW	8°0	"	...	
10-43	036	003	75°1	64°3	459	53	SW	5°6	"	...	
10-58	032	29°999	75°5	64°3	454	51	WSW	6°4	"	...	
11-13	021	988	77°1	64°6	443	47	WSW	8°8	"	...	
11-28	013	980	77°5	65°3	462	49	S	6°4	"	...	
11-43	002	969	77°1	65°3	468	50	WSW	8°0	"	...	
11-58 P.M.	29°996	963	77°5	65°8	480	50	SW	8°4	"	...	
0-13	990	957	78°5	65°8	466	48	SW	8°0	"	...	
0-23	981	948	78°3	65°7	466	48	WSW	6°6	"	...	
0-28	979	946	78°0	65°3	455	48	SW	7°2	"	...	
0-33	978	945	78°3	65°5	459	47	SW	6°0	"	1	Eclipse was seen to commence at 0-25 P.M. from SW.
0-38	976	943	78°8	65°8	462	47	S	10°8	"	1	
0-43	976	943	78°6	65°3	448	46	WSW	4°8	"	2	
0-48	976	943	78°8	66°0	469	48	WSW	7°2	"	2	
0-53	972	939	78°7	65°4	450	45	S	7°2	"	3	
0-58	971	938	78°4	65°4	453	46	W	9°6	"	3	
1-3	969	936	78°4	65°6	461	47	W	3°6	"	4	See dim.
1-8	969	936	78°2	66°0	477	49	W	6°0	"	4	Ditto.
1-13	964	931	78°1	65°1	447	46	SW	8°4	"	4 or 5	Ditto.
1-18	962	929	77°8	65°0	448	47	WSW	6°0	"	5	Wind becoming cooler, see dim.
1-23	960	927	77°6	65°3	461	48	W	8°4	"	5	
1-28	962	929	77°5	65°3	462	49	W	7°2	"	6	Ditto, see growing diameter.
1-33	964	931	77°5	65°0	452	48	W	6°0	"	6	Ditto, Ditto.
1-38	962	929	77°3	65°2	461	49	W	9°6	"	7	Ditto, Ditto.
1-43	962	929	77°1	65°1	460	49	WSW	6°0	"	8	Ditto, Ditto.
1-48	964	931	76°5	65°0	465	51	WSW	6°0	"	8 or 9	Ditto, Ditto.
1-53	964	931	76°0	65°0	472	53	WSW	4°8	"	8	Ditto, Ditto.
1-58	959	926	75°7	65°5	493	55	W	4°8	"	7	Eclipse between 1-48 P.M. and 1-53 P.M. greatest, sun becoming clearer. Wind cooler
2-3	958	925	75°8	65°8	503	56	W	2°4	"	7	Sun becoming clear.
2-8	956	923	75°7	65°7	500	56	W	6°0	"	6	Ditto, ditto.
2-13	956	923	75°6	65°5	495	56	W	5°6	"	5	Ditto, ditto.
2-18	956	923	75°9	65°6	494	55	W	3°6	"	4	Ditto, ditto.
2-23	960	927	76°2	65°8	497	54	W	4°8	"	3	Ditto, ditto.
2-28	958	925	76°5	65°9	498	55	W	6°0	"	3	Ditto, ditto.
2-33	954	921	77°2	65°5	473	50	W	3°6	"	3	Ditto, ditto.
2-38	954	921	77°2	65°5	473	50	SW	8°4	"	2	Ditto, ditto.
2-43	954	921	77°3	65°5	472	50	SW	8°4	"	2	Ditto, ditto.
2-48	958	925	77°5	65°7	476	50	SW	6°0	"	1	Ditto, ditto.
2-53	958	925	77°6	65°7	474	49	SW	7°2	"	1	
2-58	958	925	77°7	66°1	488	52	SW	4°8	"	1	
3-3	958	925	77°7	66°1	488	52	SW	8°4	"	0	Eclipse appeared to end.
3-13	958	925	77°8	66°2	490	52	SW	9°0	"	...	
3-28	958	925	78°2	66°3	488	50	SW	6°4	"	...	

No 79 Lat 23° 9' N

JESSORE,

Long 89° 13' E.

Three hundred and forty five miles from central line of totality Greatest obscuration 8

Hour.	BAROMETER		Dry-bulb corrected	Wet-bulb corrected	Aqueous vapour pressure	Relative humidity	WIND		Cloud proportion	Proportion of eclipse totality to	WEATHER AND OTHER REMARKS
	Madras time	Corrected and reduced to 32° F	Reduced to sea level and constant gravity				Direction	Amount as here recorded in miles per hour			
A.M.	"	"	"	"	"	%					
9 24	30°038	30°019	72.4	62.6	438	55	ESE		Nil		Clear
9 39	036	017	73.0	62.8	437	54	Calm	2.4	"		
9 54	033	014	74.4	63.7	448	53	SE	2.4	"		
10 9	030	010	75.4	63.8	439	50	Calm	2.0	"		
10 24	026	006	76.3	63.8	426	47	Calm	1.6	"		
10 39	022	002	76.4	63.6	418	46	Calm	1.6	"		
10 54	020	000	76.9	64.4	439	47	Calm	1.6	"		
11 9	013	29 993	78.1	65.2	450	47	Calm	0.8			
11 24	004	984	78.3	64.6	427	44	NW	1.6	"		
11 39	29 998	978	78.4	64.4	418	43	Calm	2.0			Clear
11 54	984	964	78.9	65.4	447	45	Calm	2.0	"		
P.M.											
0 9	976	956	78.5	64.4	417	43	Calm	2.4			
0 24	968	948	79.5	66.0	460	46	Calm	2.4	"		
0 39	969	949	79.5	65.6	445	44	Calm	1.2			Ecl. pre commenced between 0 24 P.M. and 0 36 P.M.
0 54	965	945	79.5	65.4	438	43	Calm	2.4			
0 39	963	943	78.3	65.2	448	46	Calm	2.4			
0 44	961	941	79.5	65.2	431	42	NE	3.6			
0 49	955	935	79.5	65.4	438	43	Calm	2.4	"		
0 54	953	933	79.5	65.6	445	44	SE	1.2	"		
0 59	952	932	79.5	64.6	411	40	Calm	1.2	"		
1 4	952	932	79.3	65.4	441	43	NW	2.4	"		
1 9	948	928	78.7	65.4	449	46	Calm	1.2	"		
1 14	948	928	78.9	64.7	422	42	SW	1.2			
1 19	949	929	78.6	64.2	409	41	SW	3.6	"		
1 24	945	925	78.5	64.6	424	43	Calm	3.6	"		
1 29	943	923	77.8	64.6	434	45	Calm	1.2	"		
1 34	941	921	77.5	64.9	449	48	Calm	0	"		
1 39	942	922	77.0	64.7	448	48	Calm	2.4	"		
1 44	940	920	76.6	64.4	442	48	SW	2.4	"	8	
1 49	940	920	76.6	64.4	442	48	Calm	2.4			
1 54	942	922	76.4	64.4	445	49	Calm	1.2			
1 59	946	926	75.6	65.2	483	54	Calm	0			
2 4	947	927	75.0	64.4	464	54	Calm	1.2	"		
2 9	947	928	74.7	64.4	468	54	Calm	0	"		
2 14	946	927	74.8	64.2	460	54	Calm	2.4	"		Getting clear
2 19	940	921	74.6	66.4	539	62	Calm	0	"		
2 24	940	921	74.8	66.4	537	61	Calm	0	"		
2 29	941	921	75.4	66.2	521	59	Calm	0	"		
2 34	942	922	75.4	66.2	521	59	Calm	0	"		
2 39	933	913	75.6	66.6	533	60	Calm	0	"		
2 44	940	920	75.6	66.4	526	59	Calm	1.2	"		
2 49	936	916	76.4	64.4	445	49	SSW	2.4	"		
2 54	938	918	76.4	64.4	445	49	SSW	2.4	"		
2 59	940	920	76.6	64.4	442	48	Calm	1.2	"		Clear
3 4	940	920	76.3	64.4	446	49	Calm	0	"		Eclipse terminated between 2 59 P.M. and 3 1 P.M.
3 19	939	919	76.3	64.3	443	49	Calm	1.2	"		
3 24	934	914	76.2	64.6	456	50	Calm	0	"		

No. 80. Lat. 20° 54' N.

VERAVAL.

Long. 70° 26' E.

Three hundred and forty-five miles from central line of totality. Greatest obscuration 83.

Hour.	Barometer.			Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind.		Cloud proportion.	Proportion of eclipse, totality to.	Weather and other remarks.
	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.						Direction.	Amount since preceding interval, in miles per hour.			
A.M.												
10-39	30.013	29.973	86.4	64.8	326	26	ESE	...	Nil	...	...	Fine clear weather.
10-45	30.015	29.975	87.2	64.8	315	24	ESE	2.0	"	...	...
11-0	30.010	29.970	85.8	66.0	307	33	SE	7.2	"	...	...
11-15	30.009	29.969	88.0	65.1	314	23	ESE	10.8	"	...	...	Wind somewhat increased in force.
11-30	30.003	29.963	86.0	68.8	474	39	ESE	8.3	"	...	...	Sun's disc clear and complete.
11-35	30.003	29.963	85.6	69.2	491	40	...	...	"	...	...	Eclipse commenced about 11.36 A.M.
11-40	30.001	29.961	83.2	69.6	542	48	...	...	"	...	...
11-45	30.003	29.963	82.0	70.3	585	53	S	4.0	"	2 from SSW	...	
11-50	30.003	29.963	82.0	71.8	641	60	...	...	"	...	...
11-55	30.003	29.963	81.7	71.6	641	60	...	...	"	...	...
12-0	30.000	29.960	81.4	70.8	613	58	SSE	3.6	"	4 from S	...	Proportion of sun's obscuration increasing very rapidly.
P.M.												
0-5	29.998	29.958	81.7	70.3	589	54	...	...	"	...	...
0-10	29.996	29.956	81.2	69.9	581	55	...	...	"	...	...
0-15	29.990	29.950	80.0	69.8	592	58	SSE	6.4	"	5 from S	...	Very light rose tint to W.
0-20	29.986	29.946	79.6	69.8	598	59	...	...	"	...	...	Force of wind decreasing.
0-25	29.982	29.942	79.2	69.8	604	60	...	...	"	...	...
0-30	29.982	29.942	79.0	69.8	606	61	SSE	5.2	"	6 from S	...	
0-35	29.980	29.940	79.0	69.8	606	61	...	...	"	...	...
0-40	29.978	29.938	78.8	68.8	571	58	...	...	"	...	...
0-45	29.981	29.941	78.4	68.8	577	60	SSE	8.0	"	8 from S	...	
0-50	29.979	29.939	78.0	68.8	581	60	...	...	"	...	...
0-55	29.977	29.937	78.0	68.9	586	61	...	...	"	...	...
1-0	29.975	29.935	77.8	69.0	591	61	SSE	12.0	"	8.5 from SSE	...	
1-5	29.971	29.931	77.6	68.8	587	62	...	...	"	...	...
1-10	29.969	29.929	77.4	68.8	590	63	...	...	"	...	...
1-15	29.969	29.929	77.2	68.7	589	63	SSE	8.4	"	8 from SE	...	
1-20	29.965	29.925	77.0	68.8	595	64	...	...	"	...	...
1-25	29.961	29.921	77.0	68.8	595	64	...	...	"	...	...
1-30	29.955	29.915	76.8	68.8	598	65	SSE	11.2	"	7 from ENE	...	Sonlight somewhat increasing.
1-35	29.951	29.911	76.8	69.0	605	66	...	...	"	...	...
1-40	29.954	29.914	76.7	69.8	636	69	...	...	"	...	...
1-45	29.954	29.914	76.9	69.8	635	69	SSE	10.4	"	6 from ENE	...	
1-50	29.948	29.908	77.0	69.8	633	68	...	...	"	...	...
1-55	29.946	29.906	77.0	70.0	641	69	...	...	"	...	...
2-0	29.946	29.906	77.2	69.8	630	67	SSE	10.8	"	4 from NE	...	
2-5	29.944	29.904	77.7	69.8	623	65	...	...	"	...	...
2-10	29.941	29.901	77.8	69.4	607	63	...	...	"	...	...
2-15	29.941	29.901	77.9	69.7	617	64	SE	11.2	"	3 from NNE	...	
2-20	29.941	29.901	78.0	69.6	611	63	...	...	"	...	...
2-25	29.939	29.899	78.1	69.8	618	64	...	...	"	...	...
2-30	29.937	29.897	78.2	69.6	610	63	SE	12.4	"	2 from N	...	
2-35	29.933	29.893	78.2	69.7	614	63	...	...	"	...	...	2-36 P.M. eclipse ended.
2-45	29.935	29.895	78.6	69.2	589	60	SE	15.2	"	...	...	Wind again increasing in force.
3-0	29.937	29.897	78.8	68.8	571	58	SE	8.0	"	...	...
3-15	29.937	29.897	78.6	65.9	578	60	SE	10.8	"	...	...
3-30	29.939	29.899	78.4	69.0	584	60	SSE	9.6	"	...	...
3-45	29.939	29.899	78.2	68.4	564	58	SE	14.0	"	...	...
4-0	29.941	29.901	78.1	68.8	580	60	SE	10.4	"	...	...
4-15	29.941	29.901	78.0	68.6	574	59	SE	9.2	"	...	...
4-30	29.946	29.906	77.8	68.8	584	61	SE	11.6	"	...	...
4-39	29.941	29.901	77.8	68.6	577	60	SE	9.3	"	...	...

No. 81. Lat. 20° 29' N.

CUTTACK.

Long. 85° 54' E.

Three hundred and fifty miles from central line of totality. Greatest obscuration .8.

HOUR.	BAROMETER.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	WIND.		Cloud percentage.	Proportion of eclipse, totality %.	WEATHER AND OTHER REMARKS.
	Corrected and reduced to 32° F.	Reduced to sea level and constant gravity.					Direction.	Amount since preceding interval, in miles per hour.			
Madras time.	"	"	"	"	"	"					
A.M.											
9-32	30.012	30.037	70.1	61.2	.420	57	SW	2.4	Nil.	...	
9-37	.013	.038	70.3	61.9	.449	59	SW	2.4	"	...	
9-42	.013	.038	71.0	61.9	.442	52	SW	2.4	"	...	Sky blue, but very light pink towards E. horizon.
9-47	.012	.037	71.3	62.1	.445	56	SW	2.4	"	...	
9-52	.010	.035	71.9	62.7	.457	57	SW	1.2	"	...	
9-57	.006	.031	72.3	62.5	.444	55	SW	3.6	"	...	
10-2	.006	.031	72.5	62.3	.434	54	SW	2.4	"	...	
10-7	.004	.029	72.9	62.5	.436	53	SW	2.4	"	...	
10-12	.003	.028	73.0	62.3	.430	51	WSW	2.4	"	...	
10-17	.003	.028	73.2	62.9	.446	54	Calm	0	"	...	
10-22	29.999	.024	74.0	63.0	.440	51	Calm	1.2	"	...	
10-27	.999	.024	74.1	62.7	.427	50	WSW	2.4	"	...	
10-32	.993	.018	74.3	62.9	.430	50	Calm	1.2	"	...	
10-37	.992	.016	75.0	63.1	.429	43	WSW	1.2	"	...	
10-42	.991	.015	75.2	63.1	.428	48	WSW	1.2	"	...	
10-47	.989	.013	75.5	63.8	.447	49	Calm	1.2	"	...	
10-52	.984	.007	76.2	63.8	.437	47	Calm	1.2	"	...	
10-57	.981	.005	76.1	63.7	.435	47	WSW	2.4	"	...	
11-2	.978	.002	76.6	63.1	.410	44	WSW	1.2	"	...	Sky blue, but light pink towards E. horizon.
11-7	.976	.000	77.1	63.9	.431	46	Calm	2.4	"	...	
11-12	.976	.000	77.3	64.3	.441	46	SSW	1.2	"	...	
11-17	.971	29.995	77.9	64.7	.447	45	WSW	2.4	"	...	
11-22	.971	.995	78.1	64.3	.431	43	WSW	1.2	"	...	
11-27	.971	.995	78.3	64.9	.447	45	Calm	1.2	"	...	
11-32	.967	.991	78.5	64.3	.427	43	NNE	1.2	"	...	
11-37	.966	.989	79.1	64.7	.431	42	WSW	1.2	"	...	
11-42	.964	.989	79.3	65.0	.427	42	Calm	1.2	"	...	
11-47	.966	.989	80.0	65.9	.462	44	Calm	0	"	...	
11-52	.963	.987	80.0	64.8	.425	40	W	1.2	"	...	
11-57	.957	.981	80.3	65.0	.429	40	N	1.2	"	...	
P.M.											
0-2	.955	.979	80.3	64.9	.413	40	NNW	1.2	"	...	
0-7	.951	.975	80.3	65.1	.431	40	Calm	1.2	"	...	Sky blue.
0-12	.947	.971	80.4	64.8	.419	40	N	2.4	"	...	
0-17	.945	.969	80.4	65.5	.436	40	N	1.2	"	...	First sign of eclipse—direction W. to E.
0-22	.943	.966	81.0	65.7	.441	41	N	1.2	"	...	
0-27	.941	.965	81.0	65.1	.421	38	WNW	1.2	"	...	
0-32	.941	.965	81.9	65.0	.441	39	W	0	"	...	
0-37	.935	.959	81.5	65.1	.415	37	WSW	3.6	"	...	Sky blue. Light dusty red along E. horizon.
0-42	.930	.954	81.7	65.9	.440	39	Calm	2.4	"	...	Do. do. do.
0-47	.931	.955	81.4	65.3	.424	38	NE	1.2	"	...	Do. do. do.
0-52	.931	.955	81.4	64.8	.408	37	NNE	2.4	"	...	Do. Sun's disc orange obscured by black disc.
0-57	.925	.949	81.0	65.1	.421	38	NNE	2.4	"	...	
1-2	.923	.947	80.9	64.8	.414	38	NNE	3.6	"	...	Do. do.
1-7	.923	.947	81.0	65.0	.419	38	NNE	2.4	"	...	Do. do.
1-12	.919	.943	81.0	65.1	.421	38	NNE	1.2	"	...	Do. do.
1-17	.915	.939	80.3	64.8	.420	40	NNE	3.6	"	...	Do. do.
1-22	.913	.937	80.1	64.6	.416	40	Calm	0	"	...	Do. do.
1-27	.909	.933	80.1	64.5	.415	40	Calm	1.2	"	...	Do. do.
1-32	.910	.934	80.0	65.1	.433	41	Calm	1.2	"	...	Do. do.
1-37	.910	.934	79.8	64.9	.429	41	Calm	0	"	...	Do. do.
1-42	.906	.930	79.2	64.7	.431	42	Calm	0	"	...	Do. do.
1-47	.905	.929	79.0	65.0	.474	46	Calm	0	"	...	Do. do.
1-52	.909	.933	79.6	64.8	.441	44	Calm	0	"	...	Do. do.
1-57	.905	.929	78.3	65.9	.481	48	Calm	0	"	...	Do. do.
2-2	.905	.929	78.3	65.7	.476	43	Calm	0	"	...	Do. do.
2-7	.907	.931	78.3	66.0	.487	49	Calm	0	"	...	Do. do.
2-12	.907	.931	78.3	65.8	.479	48	Calm	0	"	...	Do. do.
2-17	.905	.929	78.9	64.9	.441	43	Calm	0	"	...	Do. do.
2-22	.905	.929	79.7	64.9	.431	41	Calm	0	"	...	Do. do.
2-27	.905	.929	79.9	64.1	.402	37	NNE	1.2	"	...	Do. do.
2-32	.905	.929	80.1	64.1	.400	37	NNE	1.2	"	...	Do. do.
2-37	.904	.928	80.1	65.9	.393	37	NNE	2.4	"	...	Do. do.
2-42	.903	.927	80.3	65.9	.389	36	NNE	1.2	"	...	Do. do.
2-47	.903	.923	80.9	64.1	.390	35	NNE	1.2	"	...	Do. do.
2-52	.899	.923	81.0	64.7	.408	37	Calm	1.2	"	...	Do. do.
2-57	.899	.923	81.0	64.8	.412	37	NNE	1.2	"	...	Do. do.
3-2	.898	.922	81.0	64.5	.403	37	Calm	2.4	"	...	Eclipse ceased.
3-7	.907	.931	81.2	65.7	.440	40	Calm	0	"	...	
3-12	.901	.925	81.4	65.6	.434	39	NNE	1.2	"	...	
3-17	.899	.923	81.4	65.6	.434	39	NNE	1.2	"	...	
3-22	.903	.927	81.2	64.9	.410	37	NNE	1.2	"	...	
3-27	.905	.929	81.2	64.9	.412	37	NNE	1.2	"	...	
3-32	.905	.929	81.1	64.9	.414	37	NNE	1.2	"	...	
3-37	.909	.933	81.8	65.5	.425	38	NNE	1.2	"	...	

Three hundred and sixty-three miles from central line of totality; Greatest obscuration 8.

Hour.	Barometer.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind direction.	Cloud.			Proportion of calms, totality 10.	Weather and other remarks.
	Corrected and reduced to $32^{\circ} F$.	Reduced to sea-level and constant gravity.						Proportion.	Kind.	Direction of motion.		
A.M.						%						
10-6	29.618	29.998	78.6	68.9	.578	59	SE	Ail	...	...	...
10-21	.618	.998	78.9	68.9	.574	58	SE	"	...	...	...
10-36	.618	.997	79.2	68.8	.564	57	SE	"	...	...	...
10-51	.607	.986	79.4	69.2	.578	58	SE	"	...	...	...
11-6	.605	.983	79.8	69.8	.595	58	NE	"	...	...	...
11-21	.601	.978	81.8	69.4	.552	50	NE	"	...	...	...
11-36	.591	.963	84.0	69.0	.509	44	NE	"	...	...	...
11-51	.583	.955	84.8	69.4	.512	42	NE	"	...	...	...
12-54	.576	.948	85.3	69.8	.521	43	NE	"	...	...	...	Fine clear weather, light wind.
P.M.												
0-6	.571	.942	86.0	70.2	.527	42	NE	"	...	...	1	
0-11	.571	.942	...	...	...	...	NE	"	...	...	1	
0-16	.571	.942	86.5	70.1	.516	40	NE	"	...	...	1	
0-21	.569	.940	...	...	...	...	NE	"	...	...	2	
0-26	.567	.938	87.0	70.0	.506	39	NE	"	...	...	2	
0-31	.565	.936	...	...	...	...	NE	2	Cl.	NE to SW	3	
0-36	.563	.934	85.8	68.6	.469	38	NE	2	Cl.	NE to SW	3	
0-41	.559	.930	...	...	...	...	NE	2	Cl.	NE to SW	3	
0-46	.555	.926	85.5	68.8	.478	40	NE	2	Cl.	NE to SW	4	
0-51	.555	.926	...	...	...	...	NE	2	Cl.	NE to SW	4	Fine clear weather; light wind; sky blue; clouds dark.
0-56	.553	.925	84.8	69.0	.498	41	NE	2	Cl.	NE to SW	5	
1-1	.551	.923	...	...	...	...	NE	2	Cl.	NE to SW	5	
1-6	.549	.921	83.8	69.2	.519	45	NE	2	Cl.	NE to SW	5	
1-11	.549	.921	...	...	...	...	NE	2	Cl.	NE to SW	6	Fine clear weather; light wind; sky sea-blue.
1-16	.547	.920	83.4	69.1	.521	45	NE	2	Cl.	NE to SW	6	
1-21	.543	.916	83.2	69.0	.519	45	NE	2	Cl.	NE to SW	7	
1-23	.541	.915	82.8	69.0	.525	46	NE	2	Cl.	NE to SW	8	Fine clear weather; light wind; sun appeared light greyish; sky thick blue.
1-26	.541	.915	82.8	68.8	.517	46	NE	2	Cl.	NE to SW	7	Fine clear weather; light wind; sky sea-blue.
1-31	.541	.915	...	...	...	...	NE	2	Cl.	NE to SW	7	
1-36	.541	.915	82.0	68.8	.527	48	NE	4	Cl., A. Cu.	NE to SW	6	
1-41	.541	.915	...	...	...	...	NE	4	Cl., A. Cu.	NE to SW	5	
1-46	.535	.909	82.7	69.1	.530	47	NE	4	Cl., A. Cu.	NE to SW	5	Fine clear weather; light wind; sky blue; clouds dark, cirrus clouds around the sun.
1-51	.531	.904	...	...	...	...	NE	4	Cl., A. Cu.	NE to SW	5	
1-56	.531	.904	83.3	69.2	.524	46	NE	4	Cl., A. Cu.	NE to SW	4	
2-1	.529	.902	...	...	...	...	NE	4	Cl., A. Cu.	NE to SW	4	
2-6	.525	.898	83.8	69.3	.523	45	NE	5	Cl., C.S., A. Cu.	NE to SW	3	
2-11	.525	.898	...	...	...	...	NE	5	Cl., C.S., A. Cu.	NE to SW	3	
2-16	.525	.897	84.2	69.6	.529	45	NE	5	Cl., C.S., A. Cu.	NE to SW	3	
2-21	.525	.897	...	...	...	...	NE	5	Cl., C.S., A. Cu.	NE to SW	2	Fine weather with passing clouds; gentle wind.
2-26	.519	.891	84.5	69.8	.533	44	NE	5	Cl., C.S., A. Cu.	NE to SW	2	
2-31	.519	.891	...	...	...	...	NE	5	Cl., C.S., A. Cu.	NE to SW	1	
2-36	.519	.890	85.0	69.9	.530	44	NE	5	Cu. and A. Cu.	NE to SW	1	
2-41	.521	.892	...	...	...	...	NE	5	Cu. and A. Cu.	NE to SW	1	
2-46	.523	.895	84.8	69.8	.528	44	NE	7	Cu. and A. Cu.	NE to SW	...	Disso; moderate wind.
2-51	.523	.895	...	...	...	...	NE	7	Cu. and A. Cu.	NE to SW	...	
2-56	.523	.896	83.9	69.9	.544	47	NE	10	Cu. and A. Cu.	NE to SW	...	Dark gloomy weather; overcast; moderate wind.
3-6	.523	.895	84.0	70.0	.547	47	NE	10	Cu. and A. Cu.	NE to SW	...	
3-11	.523	.895	84.6	70.2	.545	45	NE	6	Cu. and A. Cu.	NE to SW	...	
3-16	.525	.896	85.0	70.3	.545	44	NE	6	Cu. and A. Cu.	NE to SW	...	Fine weather with passing clouds; moderate wind.
3-21	.529	.901	84.8	70.1	.540	45	NE	5	Cu. and A. Cu.	NE to SW	...	
3-26	.531	.903	84.6	69.9	.536	44	NE	4	Cu. and A. Cu.	NE to SW	...	

No. 83. Lat 19° 20' N.

GOPALPUR,

Long. 85° 0' E

Three hundred and sixty-eight miles from central line of totality Greatest obscuration 8

Hour	Barometer		Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure	Relative humidity	Wind		Cloud proportion	Weather and other remarks
	Corrected and reduced to 32° F.	Reduced to sea level and constant gravity					Direction	Amount since preceding interval, in miles per hour		
Midday time						%				
A.M.										
9 41	30.068	30.029	75.5	65.9	51.0	57	N		Nat	
9 56	0.68	0.029	76.0	66.2	51.4	57	NNE	6.0	"	
10 11	0.66	0.027	76.5	66.9	53.3	59	WNW	6.4	"	
10 26	0.64	0.025	77.3	67.2	53.3	57	NNW	5.2	"	
10 41	0.61	0.022	77.3	66.6	51.0	55	SSE	4.4	"	
10 56	0.55	0.016	78.0	66.9	51.3	54	SSC	2.0	"	
11 11	0.53	0.014	79.0	67.6	52.3	53	SSE	5.2	"	
11 26	0.39	0.000	78.5	67.9	54.4	56	SSE	6.0	"	
11 41	0.32	29.993	79.3	68.4	54.8	54	SSE	5.6	"	
11 56	0.22	29.983	79.5	68.4	54.7	54	SE	7.2	"	
P.M.										
0 6	0.20	29.981	79.7	68.9	56.3	56	SE	1.8	"	Eclipse commenced from west
0 11	0.10	29.971	79.3	68.2	54.3	54	SE	6.0	"	
0 26	0.09	29.970	79.7	68.6	55.2	55	SE	6.0	"	
0 31	0.08	29.969	80.0	68.6	54.6	53	SSE	12.0	"	Un usual haze between the sea and the hills. A very bright light during the eclipse made the scenery appear bluish (similar to the colour of platinum photo). Sea seems to not come in as usual. Colour of the sky gradually changed from ash to bluish.
0 46	0.07	29.968	79.7	68.6	55.2	55	SE	7.2	"	
0 51	0.05	29.966	80.0	68.4	54.1	53	SE	3.6	"	
0 56	29.999	29.960	79.5	68.6	55.3	55	SE	6.0	"	
0 41	9.97	29.958	79.5	69.2	57.7	57	SE	1.2	"	
0 46	9.89	29.950	79.0	68.9	57.3	58	SE	10.3	"	The unobscured portion of the sun appeared just like a discus in sunshine
0 51	9.87	29.948	79.0	69.4	59.2	60	SE	7.2	"	
0 56	9.86	29.947	78.0	68.4	56.8	59	SE	6.0	"	Weather most and muggy
1 1	9.85	29.946	78.0	68.4	56.8	59	SE	6.0	"	
1 6	9.83	29.944	78.5	68.9	58.0	60	SE	6.0	"	
1 11	9.81	29.943	78.0	68.4	56.8	59	SE	7.2	"	
1 16	9.75	29.936	77.7	68.4	57.1	60	SE	1.8	"	
1 21	9.73	29.934	77.3	68.2	57.0	61	SE	10.8	"	
1 26	9.73	29.934	76.5	67.4	55.1	60	SSE	7.2	"	
1 31	9.72	29.933	76.5	67.4	55.1	60	SSE	6.0	"	
1 36	9.71	29.932	76.3	67.4	55.2	61	SSE	10.8	"	
1 41	9.70	29.931	76.3	67.4	55.2	61	SSE	7.2	"	
1 46	9.68	29.929	76.0	67.4	55.7	62	SSE	4.8	"	
1 51	9.66	29.927	76.3	67.4	55.2	60	SSE	12.0	"	
1 56	9.64	29.925	76.3	67.4	55.2	60	SSE	7.2	"	
2 1	9.62	29.923	76.3	67.4	55.2	60	SSE	6.0	"	
2 6	9.61	29.925	77.0	67.2	53.7	58	SSE	10.8	"	
2 11	9.68	29.929	77.0	67.2	53.7	58	SSE	6.0	"	
2 16	9.69	29.930	77.0	67.4	54.5	59	SSE	7.2	"	
2 21	9.69	29.930	77.0	67.2	53.7	58	SSE	6.0	"	
2 26	9.69	29.930	77.5	67.4	53.7	57	SSE	6.0	"	
2 31	9.69	29.930	78.0	67.6	53.6	56	SSE	6.0	"	
2 36	9.70	29.931	78.0	67.2	52.3	54	SSE	6.0	"	
2 41	9.70	29.931	78.3	67.4	52.6	54	SSE	16.8	"	
2 46	9.70	29.931	78.5	67.6	53.1	54	SSE	2.4	"	
2 51	9.70	29.931	79.0	67.9	53.6	54	SSE	4.8	"	
2 56	9.70	29.931	78.7	67.6	53.9	54	SE	4.8	"	Eclipse ended.
3 11	9.71	29.932	78.7	67.9	53.9	55	SSE	8.0	"	
3 26	9.80	29.941	78.7	68.2	55.0	56	SSE	6.4	"	
3 41	9.84	29.945	78.5	67.9	54.2	56	SSE	4.0	"	

No. 84. Lat. 16° 9' N.

MASULIPATAM.

Long. 81° 12' E.

Three hundred and seventy miles from central line of totality. Greatest obscuration 8.

Hour.	Barometer.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind.		Cloud.		Proportion of eclipse, totality 10.	Weather and other remarks.
	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.					Direction.	Amount since preceding interval, in miles per hour.	Proportion.	Kind.		
A.M.												
5-55	30.073	30.022	75.1	69.8	659	73	NNE	...	1	Cl.	...	Fine with very little cirrus cloud in SSE.
9-11	30.074	30.023	76.2	70.4	667	74	ENE	2.4	1	Cl.	...	
9-25	30.070	30.025	77.4	71.5	674	74	ENE	3.2	1	Cl.	...	
9-41	30.069	30.018	78.5	72.3	675	73	ENE	4.4	2	Cl.	...	
9-55	30.068	30.017	79.9	72.3	695	68	ESE	5.6	3	Cl. Cl. S.	...	
10-11	30.066	30.015	81.1	72.8	696	65	SE	6.8	3	Cl. Cl. S.	...	
10-25	30.065	30.014	81.2	73.0	702	64	ESE	9.2	3	Cl.	...	
10-41	30.062	30.012	81.7	73.2	704	64	ESE	5.2	3	Cl.	...	
10-55	30.061	30.010	81.8	73.3	706	61	SE	9.6	1	Cl.	...	
11-11	30.059	30.008	82.9	72.4	748	61	ESE	8.8	1	Cl.	...	Very insignificant cirrus clouds.
11-25	30.055	30.004	82.1	72.2	758	60	ESE	8.5	1	Cl.	...	
11-41	30.044	30.003	82.3	72.4	661	60	ESE	9.2	1	Cl.	...	The first beginning of the contact was slightly observable, but not clear.
11-55	30.038	30.007	82.4	72.7	674	61	ESE	5.6	1	Cl.	...	
P.M.												
0-5	30.029	30.055	82.4	73.2	681	60	...	...	...	...	...	Eclipse observable at the sunlight becoming affected.
0-11	30.029	30.053	82.8	72.4	657	58	...	...	...	...	...	Sunlight becoming dim.
0-16	30.024	30.052	82.6	72.5	663	57	...	...	...	...	...
0-21	30.025	30.057	82.6	72.5	694	61	...	...	...	...	...
0-26	30.026	30.055	82.2	72.8	670	61	ESE	10.4	1	Cl.	...	Slight cirrus clouds near horizon in W and WNW.
0-31	30.026	30.055	82.2	73.0	656	61	...	...	...	...	...
0-37	30.024	30.053	82.3	73.0	700	63	...	...	...	...	...	Sunlight gradually losing power.
0-41	30.021	30.051	81.5	72.8	691	63	...	...	...	...	...	Sunlight fading considerably.
0-45	30.020	30.049	81.2	73.3	712	67	...	...	...	...	...
0-51	30.018	30.045	81.5	73.3	710	61	...	...	...	...	...	Sun's disc visible safely to the naked eye.
0-56	30.012	30.041	81.8	73.3	707	65	SE	11.4	1	Cl.	4	
1-1	30.009	30.038	82.7	73.2	715	68	...	...	...	...	...
1-6	30.010	30.037	82.0	72.8	703	67	...	...	...	...	...	Sunlight even less strong than moonlight.
1-11	30.015	30.042	82.1	73.3	720	71	...	...	...	...	...
1-16	30.013	30.041	79.6	73.1	710	72	...	...	...	...	6	
1-21	30.013	30.042	79.5	73.0	726	72	...	...	...	...	...
1-25	30.01	30.039	78.8	72.6	719	73	ESE	10.6	1	Cl.	8	Maximum obscuration eight-tenths, the surrounding objects looking partly dark.
1-31	29.995	30.041	78.2	72.7	728	75	...	...	...	...	...
1-36	29.995	30.041	78.2	72.4	710	74	...	...	...	...	...
1-41	30.013	30.042	77.8	72.5	720	76	...	...	...	...	...	Sun commenced to recover.
1-45	30.013	30.042	77.2	72.4	728	76	...	...	...	...	6	
1-51	30.011	30.040	...	...	...	...	...	...	...	...	...
1-56	30.011	30.040	77.8	72.8	741	77	SE	8.8	1	Cl.	3	
2-1	30.007	30.038	...	...	...	...	...	...	...	...	...
2-6	30.007	30.036	...	...	...	...	...	...	...	...	...
2-11	30.011	30.043	79.3	73.6	733	75	...	...	...	...	...
2-16	30.014	30.045	...	...	...	...	...	...	...	...	7	
2-21	30.012	30.041	...	...	...	...	...	...	...	...	...
2-26	30.011	30.040	79.2	74.0	737	73	...	...	...	...	1	
2-31	30.011	30.040	...	...	...	...	...	...	...	...	...
2-36	30.011	30.040	...	...	...	...	...	...	...	...	...
2-41	30.013	30.042	81.2	74.2	751	71	...	...	...	...	0.5	
2-45	30.013	30.042	...	...	...	...	...	...	...	...	...
2-51	30.013	30.042	...	...	...	...	...	...	...	...	...
2-56	30.013	30.042	81.8	75.3	750	73	ESE	7.8	...	...	0	Complete recovery of sun.
3-1	30.007	30.046	...	...	...	...	...	...	...	...	...
3-6	30.009	30.045	81.7	75.6	805	74	ESE	7.6	...	...	...
3-11	30.011	30.045	81.4	75.5	805	74	SE	8.0	...	...	...
3-16	30.011	30.045	82.3	75.1	719	69	...	...	...	...	...

No 85 Lat 23° 43' N.

NARAYANGANJ

Long 90° 27' E

Three hundred and seventy three miles from central line of totality Greatest obscuration 8

Hour	Barometer		Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure	Relative humidity	Wind		Cloud percentage	Proportion of eclipse total to	Weather and other remarks
	Corrected and reduced to 32°F	Reduced to sea level and constant gravity					Direction	Amount and average speed in miles per hour			
A.M.	"	"	"	"	"	"	"	"	"	"	"
9-19	30.045	30.019	72.3	65.8	55.0	69	SSW		Nil		9-19 A.M. to 9-19 P.M. About half of disc parallel to horizon obscured by dust haze.
9-34	30.041	015	73.5	63.5	45.4	55	SSE	10.4	"		
9-49	039	013	73.5	61.0	40.4	49	SSE	3.6	"		
10-4	033	007	74.3	61.0	39.3	46	SSE	2.4	"		
10-19	033	007	74.5	62.0	39.0	45	SSE	3.6	"		
10-34	022	29.996	75.2	63.7	43.8	50	SE	2.0	"		
10-49	018	992	76.5	64.4	44.4	49	WSW	1.6	"		
11-4	012	986	76.9	64.3	43.6	47	SW	2.0	"		
11-19	006	980	76.9	64.4	43.9	47	SW	4.0	"		
11-34	009	983	77.5	65.0	45.2	48	SW	4.4	"		11-34 A.M. to 11-34 P.M. Few scattered cumulus clouds; sky blue with haze all round horizon.
11-49	29.993	987	77.5	65.0	45.2	48	SW	4.8	"		
P.M.											
0-4	985	959	77.4	64.3	42.9	46	W	4.0	"		
0-19	981	955	78.3	63.6	39.4	40	W	4.4	"		
0-34	975	949	78.4	64.0	40.4	41	W	2.4	"		Fst contact from S.W.
0-49	973	947	78.4	64.4	41.8	43	W	3.6	"		
0-59	973	947	78.0	64.2	41.7	43	WNW	7.2	"		0-54 P.M. to 1-34 P.M. Blue sky w/h haze all round horizon and cumulus clouds.
0-44	971	945	78.1	64.4	42.2	44	WSW	7.2	"		
0-49	969	943	78.3	63.9	40.2	41	WSW	7.2	"		
0-54	967	941	78.1	64.0	41.0	43	W	3.6	"		
0-59	967	941	77.9	64.5	42.8	43	WNW	2.4	"		
1-4	965	939	78.3	64.0	40.6	42	WSW	2.4	"		
1-9	965	939	78.0	63.4	39.1	41	WSW	6.0	"		
1-14	963	937	77.9	63.5	39.4	41	WSW	4.8	"		
1-19	961	935	77.7	62.1	35.1	37	WSW	4.8	"		
1-24	956	930	77.6	62.2	35.4	37	WSW	3.6	"		
1-29	954	928	77.3	63.0	38.6	41	WSW	4.8	"		
1-34	953	926	76.7	62.6	38.1	42	WSW	6.0	Nil		1-34 P.M. to 1-34 P.M. Blue sky w/h haze all round horizon.
1-39	950	924	76.6	62.3	38.0	42	W	4.8	"		
1-44	948	922	76.4	62.7	38.8	43	W	4.8	"		
1-49	946	920	75.8	62.8	39.9	45	WSW	4.8	"		
1-54	946	920	75.4	63.0	41.0	46	W	2.4	"		
1-59	946	920	74.9	63.3	42.9	50	W	3.6	"		
2-4	946	920	74.9	62.7	40.8	47	SW	3.6	"		
2-9	949	923	74.7	63.1	42.5	50	SW	2.4	"		
2-14	947	921	74.8	63.6	44.1	51	WSW	2.4	"		
2-19	947	921	74.8	63.8	44.7	52	WSW	2.4	"		
2-24	947	921	75.3	63.7	43.7	50	WSW	3.6	"		
2-29	947	921	75.5	64.0	44.4	50	WSW	4.8	"		
2-34	945	919	75.6	64.2	44.8	50	WSW	10.8	"		
2-39	945	919	76.1	64.4	44.9	49	WSW	12.0	"		
2-44	945	919	76.2	64.3	44.3	49	WSW	10.8	"		
2-49	943	917	76.5	64.5	44.8	49	WSW	3.6	"		
2-54	943	917	76.6	64.5	44.7	49	SW	3.6	"		
2-59	943	917	77.0	63.7	41.4	45	WSW	3.6	"		
3-4	945	919	77.0	63.4	40.4	44	SW	2.4	"		Last contact Blue sky Mostly horizon ditto.
3-19	949	923	77.1	63.8	41.6	44	W	3.6	"		

Three hundred and seventy eight miles from central line of totality. Greatest obscuration 8.

Hour.	Barometer.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind.		Cloud.		Proportion of sky, totally so.	Weather and other remarks.
	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.					Direction.	Amount since preceding interval, in miles per hour.	Kind.	Direction of motion.		
A.M.	"	"	"	"	"	%						
9-29	30.051	30.021	71.3	68.2	.650	85	NNW	"	Cu.	SSE to NNW	...	Hazy weather with a small patch of cumulus cloud over horizon to the south-east. Ditto ditto.
9-34	'051	'021	71.6	68.2	.645	83	W	2.4	Cu.	SSE to NNW	...	Ditto ditto.
9-39	'050	'020	71.6	68.2	.645	83	WSW	2.4	Cu.	SSE to NNW	...	Ditto ditto.
9-44	'048	'018	71.6	68.2	.645	83	WSW	2.4	Cu.	SSE to NNW	...	Ditto ditto.
9-49	'048	'018	71.6	68.2	.645	83	WSW	3.6	Cu.	SSE to NNW	...	Ditto ditto.
9-54	'046	'016	72.2	68.2	.638	81	WSW	4.8	Cu.	SSE to NNW	...	Ditto ditto.
9-59	'046	'016	72.2	68.2	.638	81	WSW	2.4	Cu.	SE to NW	...	Ditto ditto.
10-4	'046	'016	72.4	68.2	.635	80	WSW	2.4	Cu.	SE to NW	...	Ditto ditto.
10-9	'043	'013	73.0	68.2	.627	77	WSW	4.8	Cu.	SE to NW	...	Ditto ditto.
10-14	'041	'011	73.0	68.2	.627	77	WSW	3.6	Cu.	SE to NW	...	Ditto ditto.
10-19	'040	'010	73.0	68.2	.627	77	SW	2.4	Cu.	SE to NW	...	Ditto ditto.
10-24	'039	'009	73.2	68.2	.624	76	SW	3.6	Cu.	SE to NW	...	Ditto ditto.
10-29	'037	'007	73.2	68.2	.624	76	SW	3.6	Cu.	SSE to NNW	...	Ditto ditto.
10-34	'036	'006	73.2	68.2	.624	76	SW	6.0	Fr. Cu. & Cu.	NNW & E to SSE & W	...	Hazy weather with small patches of cumulus and fracto cumulus clouds moving. Ditto ditto.
10-39	'035	'005	73.2	68.2	.624	76	SW	4.8	Fr. Cu. & Cu.	NNW & E to SSE & W	...	Ditto ditto.
10-44	'033	'003	73.2	68.2	.624	76	SW	6.0	Fr. Cu. & Cu.	NNW & E to SSE & W	...	Ditto ditto.
10-49	'029	29.999	73.2	68.4	.631	77	SW	4.8	Fr. Cu. & Cu.	NNW & E to SSE & W	...	Ditto ditto.
10-54	'027	'997	73.4	68.6	.636	77	SW	4.8	Fr. Cu. & Cu.	NNW & E to SSE & W	...	Ditto ditto.
10-59	'024	'994	73.4	68.6	.636	77	SW	6.0	Fr. Cu. & Cu.	NNW & E to SSE & W	...	Ditto ditto.
11-4	'021	'991	73.4	68.7	.640	77	SW	6.0	Fr. Cu. & Cu.	NNW to SSE	...	Ditto ditto.
11-9	'019	'989	73.4	68.8	.644	78	SW	6.0	Fr. Cu. & Cu.	NNW to SSE	...	Ditto ditto.
11-14	'017	'987	73.6	69.0	.649	79	SW	7.2	Fr. Cu. & Cu.	NNW to SSE	...	Hazy weather with cumulus cloud over horizon. Ditto ditto.
11-19	'015	'985	73.6	69.0	.649	79	SW	6.0	Fr. Cu. & Cu.	NNW to SSE	...	Ditto ditto.
11-24	'013	'983	73.6	69.2	.656	79	SW	7.2	Cu.	NNW to SSE	...	Ditto ditto.
11-29	'011	'981	74.0	69.3	.654	78	SW	6.0	Cu.	NNW to SSE	...	Ditto ditto.
11-34	'010	'980	74.0	69.3	.654	78	SW	7.2	Cu.	NNW to SSE	...	Ditto ditto.
11-39	'009	'979	74.0	69.4	.659	79	SW	7.2	Cu.	NNW to SSE	...	Ditto ditto.
11-44	'005	'975	74.2	69.6	.663	79	SSW	4.8	Cu.	NNW to SSE	...	Ditto ditto.
11-49	'003	'973	74.2	69.6	.663	79	SSW	7.2	Cu.	NNW to SSE	...	Ditto ditto.
11-54	'001	'971	74.3	69.8	.669	79	SSW	7.2	Cu.	NNW to SSE	...	Ditto ditto.
11-59	29.999	'969	75.0	70.4	.683	79	SSW	7.2	Cu.	NNW to SSE	...	Ditto ditto.
P.M.												
0-4	'977	'977	75.2	70.5	.683	78	SSW	7.2	Cu.	NNW to SSE	...	Hazy weather. Ditto.
0-9	'971	'961	75.2	70.4	.680	78	SSW	6.0	Cu.	NNW to SSE	...	Ditto.
0-14	'969	'959	75.2	70.5	.683	78	SSW	7.2	Cu.	NNW to SSE	...	Ditto.
0-19	'967	'957	75.0	70.6	.682	77	SSW	7.2	Cu.	NNW to SSE	...	Ditto.
0-24	'965	'955	75.6	70.6	.682	77	SSW	8.4	Cu.	NNW to SSE	...	First streak of shadow just visible coming over from WSW—weather hazy.
0-29	'964	'954	75.6	70.6	.682	77	SSW	7.2	Cu.	NNW to SSE	1	Shadow moving upwards, direction NNE. Sudden fall in temperature.
0-34	'961	'951	75.2	70.2	.673	77	SSW	7.2	Cu.	NNW to SSE	2	
0-39	'960	'950	75.2	69.4	.672	73	SW	7.2	Cu.	NNW to SSE	2	

Three hundred and seventy eight miles from central line of totality Greatest obscuration 8

HOUR	BAROMETER		Dry b lb corrected	Wet bulb corrected	Aqueous vapour pressure	Relative humidity	WIND		CLOUD		Proportion of eclipse totality to	WEATHER AND OTHER REMARKS
	Corrected and reduced to 32° F	Reduced to sea level and constant gravity					Direction	Amount since preceding hour, in miles per hour	Kind	Direction of motion		
Madras time	"	"	"	"	"	%						
0-44	29.980	29.950	75.0	70.2	675	78	SW	7.2	Cu	NNW to SSE	2	
0-49	977	947	75.0	70.4	683	79	SW	7.2	Cu	NNW to SSE	3	The arc in direction of advance assuming a purplish hue
0-54	977	947	75.0	70.4	683	79	SW	7.2	Cu	NNW to SSE	3	ditto ditto
0-59	975	945	75.0	70.2	675	78	SSW	6.0	Cu	NNW to SSE	3	ditto ditto
1-4	973	943	74.6	70.4	688	80	SSW	6.0		SSE	4	ditto ditto
1-9	973	943	74.6	70.6	695	81	SSW	6.0			4	ditto ditto
1-14	972	942	74.6	70.6	695	81	SSW	4.8	Cu	NW to SE	4	ditto ditto
1-19	971	941	74.3	70.6	699	82	SSW	4.8	Cu	NW to SE	5	ditto ditto
1-24	971	941	74.3	70.6	699	82	SSW	4.8	Cu	NW to SE	5	
1-29	971	941	74.2	70.2	686	81	SSW	4.8	Cu	NW to SE	6	
1-34	969	939	74.2	70.2	686	81	SSW	6.0	Cu	NW to SE	6	
1-39	967	937	73.6	70.0	687	83	SSW	6.0	Cu	NW to SE	7	
1-44	967	937	73.4	70.0	689	83	SSW	6.0	Cu	NW to SE	7	
1-49	967	937	73.2	69.6	676	83	SSW	6.0	Cu	NW to SE	8	The last for a minute only, as at 1 p.m. shadow commenced decreasing, but not in the same line as its advance from WSW to EN; let at an angle of about 30 degrees to the westward from its line of advance began to decrease a little from SSE to WNW—Soft twilight darkest here
1-54	965	935	73.0	69.5	675	83	SSW	3.6			7	
1-59	964	934	72.5	69.5	682	85	SSW	3.6			6	
2-4	964	934	72.5	69.5	682	85	SSW	3.6			5	
2-9	962	932	72.4	69.4	680	85	SSW	3.6			4	
2-14	962	932	72.5	69.5	682	85	SW	3.6			3	
2-19	962	932	72.5	69.6	685	85	SW	4.8			2	
2-24	961	931	72.5	69.8	693	87	S	3.6	Cu	S to N	2	
2-29	959	929	72.8	70.0	697	87	SSE	3.6	Cu	S to N	2	
2-34	957	927	72.9	70.1	700	87	S	4.8	Cu	S to N	1	Weather hazy with a small patch of cumulus cloud over horizon
2-39	955	925	72.9	70.1	700	87	SSW	4.8	Cu	S to N	1	ditto ditto
2-44	955	925	72.9	70.1	700	87	SSW	4.8	Cu	S to N	1	ditto ditto
2-49	953	923	73.2	70.2	700	86	SSW	4.8	Cu	S to N	1	
2-54	955	925	73.3	70.3	702	86	SSW	4.8	Cu	S to N		A thin streak of shadow left.
2-59	955	925	73.3	70.3	702	86	SSW	3.6	Cu	S to N		ditto ditto
3-2												Shadow entirely passed out of date hazy weather with shifting wind; from start to finish eclipse occupied a hour and 33 minutes the advance covering one hour and 2, in rates and the recession 1 hour and 7 m. notes with a standstill obscuration of 9/10 for a minute.
3-4	957	927	73.4	70.5	708	86	S	3.6	Cu	S to N		Hazy weather
3-9	954	924	73.4	70.5	708	86	S	4.8	Cu	S to N		ditto
3-14	956	926	73.5	70.5	707	86	SSW	4.8	Cu	S to N		ditto
3-19	956	926	73.5	70.5	707	86	SSW	3.6				ditto
3-24	957	927	73.4	70.5	708	86	S	6.0				ditto
3-29	960	930	73.4	70.5	708	86	S	6.0				ditto

No. 88. Lat. $19^{\circ} 48' N$.

POOREE.

Long $85^{\circ} 53' E$.

Three hundred and eighty miles from central line of totality. Greatest obscuration .8.

HOUR.	BAROMETER.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	WIND.		Cloud proportion.	Proportion of eclipse, totality 10.	WEATHER AND OTHER REMARKS.
	Corrected and reduced to $32^{\circ} F$.	Reduced to sea-level and constant gravity.					Direction.	Amount since preceding interval, in miles per hour.			
A.M.	"	"	"	"	"	%					
9:37	30.083	30.046	75.6	73.5	798	91	Calm	...	Nil.	...	
9:52	30.078	30.041	75.5	70.6	684	77	SW	4.3	"	...	Fine clear weather.
10:7	30.073	30.036	76.1	70.7	678	75	SW	4.0	"	...	Ditto.
10:22	30.071	30.034	76.1	70.2	659	73	SW	4.3	"	...	Ditto.
10:37	30.066	30.029	76.2	70.3	662	73	SW	4.4	"	...	Ditto.
10:52	30.059	30.022	76.2	70.2	659	73	SW	5.2	"	...	Ditto.
11:7	30.053	30.016	76.4	70.0	647	71	SW	8.8	"	...	Ditto.
11:22	30.048	30.011	77.2	69.5	619	67	SW	6.8	"	...	Ditto.
11:37	30.041	30.004	77.9	70.0	627	65	SW	7.6	"	...	Ditto.
11:52	30.035	29.998	77.9	70.0	627	65	SW	8.4	"	...	Ditto.
P.M.											
0:7	30.025	29.988	78.9	69.9	614	61	SW	4.0	"	1 from WSW	Ditto.
0:22	30.017	29.980	78.3	69.8	616	63	SW	14.0	"	"	Ditto.
0:37	30.015	29.978	78.3	70.0	624	64	SW	8.0	"	2 "	Small patches of cloud towards W S W.
0:42	30.015	29.978	78.4	70.2	630	65	SW	10.8	"	2 "	Ditto.
0:47	30.008	29.971	77.3	69.8	629	67	SW	6.0	"	3 "	Ditto.
0:52	30.010	29.973	77.5	69.9	634	67	SW	7.2	"	3 "	Ditto.
0:57	30.008	29.971	77.6	69.9	632	66	SW	7.2	"	4 "	Ditto.
1:2	30.001	29.964	77.8	69.9	627	65	SW	8.4	"	4 "	Ditto.
1:7	30.002	29.965	77.5	69.8	632	67	SW	7.2	"	5 "	Ditto.
1:12	30.001	29.964	76.9	69.6	628	67	SW	7.2	"	5 "	Ditto.
1:17	29.996	29.959	77.0	69.7	630	67	SW	7.2	"	6 "	Ditto.
1:22	29.994	29.957	76.3	69.5	632	69	SW	8.4	"	6 "	Ditto.
1:27	29.984	29.957	76.3	69.3	624	69	SW	7.2	"	7 "	Slightly gloomy.
1:32	29.994	29.957	75.9	69.3	631	71	SW	7.2	"	7 "	Ditto.
1:37	29.988	29.951	75.9	69.2	626	71	SW	7.2	"	8 "	Ditto.
1:42	29.987	29.950	75.5	69.2	632	71	SW	8.4	"	8 "	Gloomy.
1:47	29.987	29.950	75.4	69.0	623	71	WSW	7.2	"	7 "	Gloomy with cool temperature causing slight chilliness.
1:52	29.981	29.944	75.2	68.9	627	71	WSW	7.2	"	7 "	Slightly brighter.
1:57	29.987	29.950	75.1	69.0	629	72	WSW	8.4	"	6 "	Brighter.
2:2	29.981	29.944	75.2	68.9	627	71	WSW	8.4	"	6 "	Ditto.
2:7	29.979	29.942	75.1	68.8	623	71	WSW	7.2	"	5 "	Still brighter.
2:12	29.977	29.940	75.3	69.0	627	71	WSW	7.2	"	5 "	Ditto.
2:17	29.981	29.944	75.3	69.2	634	72	WSW	8.4	"	4 "	Getting by degrees brighter.
2:22	29.977	29.940	75.6	69.2	628	71	WSW	7.2	"	4 "	
2:27	29.974	29.937	75.6	69.2	628	71	WSW	8.4	"	3 "	
2:32	29.978	29.941	75.9	69.3	631	71	WSW	7.2	"	3 "	
2:37	29.976	29.939	76.2	69.4	637	69	WSW	7.2	"	3 "	
2:42	29.981	29.944	76.6	69.7	633	69	WSW	7.2	"	2 "	
2:47	29.980	29.943	76.9	69.5	621	67	WSW	6.0	"	2 "	
2:52	29.978	29.941	77.2	69.5	619	67	WSW	8.4	"	1 "	
2:57	29.984	29.947	77.2	69.7	626	67	WSW	7.2	"	1 "	
3:2	29.982	29.945	77.4	69.8	629	67	WSW	4.8	"	0	Eclipse over. Nothing unusual observed before or after the eclipse.
3:7	29.978	29.941	77.2	69.7	626	67	WSW	19.2	"	...	
3:22	29.983	29.946	77.3	69.2	607	65	WSW	7.6	"	...	
3:37	29.985	29.948	77.4	69.6	621	65	WSW	2.4	"	...	

Three hundred and eighty-three miles from central line of totality Greatest obscuration 8.

HOURS.	BAROMETER.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	WIND.		CLOUD.		Proportion of eclipse, totally to.	WEATHER AND OTHER REMARKS.
	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.					Direction.	Amount since preceding interval, in miles per hour.	Proportion.	Kind.		
A.M.						%						
10-18	29.87	29.943	81.2	71.0	.623	59	NW	...	1	Cu.	...	Fine weather, blue sky, clouds white and grey moving to N. W.
10-33	.986	.942	82.1	71.9	.646	59	NW	5.6	1	Cu.	...	Ditto ditto increasing.
10-48	.986	.942	82.7	72.0	.642	58	NW	5.2	1	Cu.	...	Ditto ditto changing in form
11-3	.986	.942	83.2	72.4	.652	57	NW	4.4	1	Cu.	...	Ditto ditto.
11-18	.988	.944	83.6	72.4	.646	56	NW	7.0	1	Cu.	...	Ditto ditto. Brezo increasing in force.
11-33	.980	.936	84.3	72.4	.636	54	NW	4.2	1	Cu.	...	Light blue sky ditto clouds decreasing.
11-48	.976	.932	84.5	72.4	.634	54	NW	1.6	Nil	...	...	Ditto ditto
11-53	.971	.927	84.6	72.4	.632	53	WNW	8.4	"	...	...	Clear weather and light breeze. Eclipse probably commenced but not perceptible.
11-58	.967	.922	85.0	72.4	.628	52	WNW	8.4	"	...	...	Ditto.
P.M.												
0-3	.965	.921	84.6	72.4	.632	53	WNW	10.2	"	...	...	Ditto.
0-8	.963	.919	84.7	72.5	.635	54	WNW	13.8	"	...	...	Ditto.
0-13	.961	.917	84.8	72.5	.634	53	WNW	14.4	"	...	...	Ditto.
0-18	.959	.915	84.3	71.9	.616	52	WNW	14.4	"	...	3	Geolic breeze.
0-23	.955	.911	83.9	72.0	.616	54	WNW	14.4	"	...	...	Less clear.
0-28	.949	.905	83.8	71.6	.612	53	WNW	10.8	"	...	...	Still less clear, blue sky, Thin haze east of sun
0-33	.947	.903	83.8	72.0	.627	55	WNW	15.6	"	...	4	Light breeze ditto. Birds flying in excitement.
0-38	.945	.901	83.6	72.1	.634	55	WNW	13.2	"	...	...	Ditto. Sun less warm and bright.
0-43	.945	.901	83.3	71.2	.633	53	WNW	18.0	"	...	5	Ditto.
0-48	.945	.901	82.9	71.0	.600	53	WNW	14.4	"	...	...	Ditto.
0-53	.943	.899	82.7	71.0	.602	54	WNW	15.6	"	...	6	Ditto.
0-58	.939	.895	82.7	71.0	.602	54	WNW	12.0	"	...	...	Blue sky darkening in V Weather dull.
1-3	.937	.893	82.2	70.6	.594	55	WNW	8.4	"	...	7	Ditto. ditto.
1-8	.934	.890	81.7	70.2	.585	54	WNW	10.8	"	...	8	Sky dark blue. Scarcely clear.
1-13	.933	.889	81.5	70.4	.596	56	WNW	10.8	"	...	8	
1-18	.932	.888	81.4	70.3	.594	55	WNW	10.8	"	...	...
1-23	.928	.884	81.4	70.1	.586	55	WNW	16.8	"	...	...	Sky blue, clearing, weather warmer and brighter.
1-28	.926	.882	81.5	70.1	.584	54	WNW	15.0	"	...	7	
1-33	.926	.882	81.4	69.8	.574	54	WNW	11.4	"	...	6	
1-38	.925	.881	81.5	69.7	.569	53	WNW	9.6	"	...	...
1-43	.924	.880	81.7	70.4	.593	55	WNW	10.2	"	...	...
1-48	.922	.878	82.0	70.6	.596	55	WNW	13.8	"	...	5	
1-53	.919	.875	82.5	70.7	.594	54	WNW	24.0	"	...	...	Sky blue, still warmer and brighter.
1-58	.918	.874	82.6	70.5	.585	53	WNW	15.6	"	...	4	
2-3	.916	.872	83.1	70.1	.563	49	WNW	14.4	"	...	...
2-8	.914	.870	83.4	71.4	.609	53	WNW	15.6	"	...	3	
2-13	.912	.868	83.4	71.2	.601	53	WNW	14.4	"	...	...	Sky light blue.
2-18	.910	.866	83.7	71.5	.609	53	WNW	12.0	"	...	3	
2-23	.909	.865	83.9	71.5	.606	52	WNW	15.6	1	A-Cu.	1	Cloud grey to the east.
2-28	.909	.865	83.9	71.5	.606	52	WNW	4.8	2	A-Cu.	...	Ditto. ditto.
2-33	.907	.863	84.1	71.4	.599	51	WNW	27.6	3	A-Cu.	...	Clouds greyish.
2-38	.907	.863	84.6	71.8	.609	52	WNW	...	5	A-Cu.	...	Ditto. Eclipse over.
2-48	...	...	85.2	72.3	.620	51	WNW	...	...	...	...	Ditto.
2-53	.907	.862	...	...	...	...	WNW	12.5	7	A-Cu.	...	Clouds white.
3-1	...	...	84.9	71.6	.597	50	WNW	...	8	A-Cu.	...	Ditto.
3-8	.901	.857	84.8	71.5	.594	50	WNW	14.4	8	A-Cu.	...	Ditto.
3-13	.903	.859	84.6	71.4	.592	50	WNW	12.7	8	A-Cu.	...	Ditto.
3-18	.904	.860	84.7	71.3	.588	49	WNW	17.8	8	A-Cu.	...	Ditto.
3-23	.905	.860	85.0	71.7	.599	50	WNW	16.3	7	A-Cu.	...	Ditto and decreasing in thickness and proportion.
3-28	...	...	...	...	...	...	...	...	...	...	...	Ditto.
3-33	...	...	...	...	...	...	...	...	...	...	...	Ditto.
4-8	.905	.860	85.1	71.9	.608	50	NW	11.5	7	A-Cu.	...	Ditto.
4-18	.908	.863	85.0	72.0	.611	51	NW	17.5	6	A-Cu.	...	Ditto.

Three hundred and eighty-eight miles from central line of totality. Greatest obscuration 8.

Hour.	BAROMETER.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapor pressure.	Relative humidity.	Wind.		Cloud proportion.	Proportion of eclipse, totality 10.	WEATHER AND OTHER REMARKS.
	Corrected and reduced to 32° F.	Reduced to sea level and constant gravity.					Direction	Amount since preceding interval, in miles per hour.			
A.M.						%					
9-34	30°071	30°034	75°6	68°8	°613	70	SSW	...	NH	...	
9-49	'069	'032	75°9	68°9	°613	69	SSE	24	"	...	
10-4	'060	'023	76°5	69°3	°620	69	S	32	"	...	
10-19	'057	'020	77°1	69°4	°617	66	S	56	"	...	
10-34	'053	'016	77°3	69°4	°614	65	S	56	"	...	
10-49	'050	'013	77°3	69°4	°614	65	S	64	"	...	
11-4	'046	'009	77°7	69°4	°610	64	S	76	"	...	Fine clear weather.
11-19	'039	'002	77°7	69°4	°610	64	S	60	"	...	
11-34	'033	29°996	77°7	69°7	°620	65	S	11°6	"	...	
11-49	'027	'990	78°2	70°2	°632	65	S	84	"	...	
P.M.											
0-4	'014	'977	78°3	70°4	°638	65	S	160	"	...	
0-9	'012	'975	78°3	70°4	°633	65	S	15°6	"	...	
0-14	'010	'973	78°2	70°3	°635	65	S	15°0	"	...	
0-19	'010	'973	78°2	70°2	°632	65	S	84	"	...	
0-24	'008	'971	78°2	70°2	°632	65	S	13°2	"	...	Eclipse commenced from S. E.
0-29	'004	'967	78°1	69°9	°622	64	S	84	"	...	
0-34	'002	'965	78°3	69°4	°600	61	S	9°6	"	...	
0-39	'000	'963	78°3	70°3	°634	65	SSE	10°8	"	...	
0-44	'000	'963	78°3	70°3	°634	65	S	10°8	"	...	
0-49	29°991	'957	78°7	70°3	°629	63	S	13°0	"	...	
0-54	'990	'953	78°7	70°3	°629	63	S	84	"	...	
0-59	'988	'951	77°3	69°5	°617	66	S	13°2	"	...	
1-4	'986	'949	77°2	69°5	°619	66	S	10°8	"	3	
1-9	'985	'948	76°4	69°4	°626	69	S	1°2	"	...	Atmosphere assumed a brassy appearance as in final sunrise.
1-14	'984	'947	76°2	69°4	°629	70	S	9°6	"	...	
1-19	'984	'947	76°2	69°4	°629	70	S	19°2	"	...	Moon about half way across the sun obscuring lower limb.
1-24	'982	'945	75°5	69°4	°639	72	S	84	"	4	
1-29	'981	'944	75°4	69°2	°632	71	S	84	"	...	
1-34	'983	'946	74°9	68°9	°627	72	S	84	"	5	Atmosphere has a dull lowering appearance from N. W.
1-39	'983	'946	74°4	68°9	°634	74	S	4°8	"	...	
1-44	'981	'944	74°2	68°9	°636	75	S	24	"	...	
1-49	'979	'942	74°4	69°2	°645	75	S	15°0	"	7 to 8	
1-54	'977	'940	74°4	69°3	°640	76	S	9°6	"	...	
1-59	'975	'938	74°4	69°3	°649	76	S	84	"	5	
2-4	'972	'935	74°5	69°4	°652	76	S	7°2	"	...	
2-9	'971	'934	75°2	69°4	°642	73	S	84	"	4	Atmosphere appeared bright.
2-14	'970	'933	75°4	69°4	°642	72	S	84	"	...	
2-19	'970	'933	75°4	69°4	°642	72	S	3°6	"	3	
2-24	'968	'931	75°8	69°4	°634	71	S	3°6	"	...	
2-29	'970	'933	76°2	69°4	°629	70	S	3°6	"	2	Fine clear weather.
2-34	'972	'935	76°2	69°4	°629	70	S	21°6	"	...	
2-39	'969	'932	76°4	69°2	°618	68	S	84	"	...	
2-44	'968	'931	77°3	69°2	°607	65	SSE	7°2	"	...	
2-49	'967	'930	77°2	68°9	°596	64	SSE	7°2	"	...	
2-54	'967	'930	77°3	69°2	°607	65	S	7°2	"	...	Eclipse ended.
2-59	'967	'930	77°3	69°2	°607	65	S	3°6	"	...	
3-4	'968	'931	77°2	69°4	°615	66	S	12°0	"	...	The wind though generally light and steady was at times puffy during transit. The brassicos referred to in the remarks had a most wired appearance and an unusual stiffness in its surroundings prevailed. No special phenomena was noticed during transit. The western limit of the sun was visible during transit throughout.
3-19	'969	'932	76°6	69°5	°627	69	S	8°8	"	...	
3-34	'977	'940	77°3	69°7	°625	67	S	7°2	"	...	
4-34	'985	'948	75°4	69°4	°622	72	S	1°2	"	...	

Three hundred and eighty-eight miles from central line of totality. Greatest obscuration 8.

Hour.	BAROMETER.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind		Cloud, kind and proportion.	Proportion of eclipse, total by 10.	WEATHER AND OTHER REMARKS.
	Corrected and reduced to 32° F.	Reduced to sea level and constant gravity.					Direction.	Amount since preceding interval, in miles per hour.			
A.M.	"	"	"	"	"	%					
9-10	29.989	30.048	66.2	62.0	.501	78	E	...	A-Cu.	...	The sky was bluish from 9-10 A.M. to 1-40 P.M. and from 1-40 P.M. to 2-5 P.M. was dusky and bluish.
9-25	.990	.049	67.5	62.5	.501	74	ESE	3.2	A-Cu.	...	
9-40	.986	.045	68.5	62.5	.487	70	ESE	3.6	A-Cu.	...	
9-55	.979	.037	70.5	63.7	.501	67	Calm	2.8	A-Cu.	...	
10-10	.968	.026	71.5	63.5	.481	62	Calm	2.0	Cu.	...	
10-25	.961	.019	71.8	63.7	.484	62	Calm	2.0	Cu.	...	10-25 A.M. to 2-50 P.M. Cumulus clouds. Colour of the cloud over the hills towards N. and N. E. whitish grey. The top of the clouds were whitish grey, and the lower part was not visible, being covered with haze.
10-40	.952	.010	73.7	65.1	.506	61	Calm	1.6	Cu.	...	
10-55	.948	.005	75.0	65.4	.499	57	ESE	4.8	Cu.	...	
11-10	.940	29.997	75.1	64.7	.474	55	ESE	3.6	Cu.	...	
11-25	.927	.984	76.1	64.6	.453	51	SSE	2.8	Cu.	...	
11-40	.918	.975	75.8	64.5	.438	52	Calm	2.0	Cu.	...	Eclipse commenced from S. W.
11-55 P.M.	.914	.971	76.6	64.5	.447	49	ESE	3.2	Cu.	...	
12-10	.908	.965	77.6	64.5	.434	46	Calm	3.2	Cu.	...	
12-25	.900	.957	77.6	64.5	.434	46	Calm	0.8	Cu.	...	
12-35	.894	.951	77.4	64.7	.442	48	Calm	0	Cu.	1	
12-40	.892	.949	77.8	64.4	.427	44	WSW	10.8	Cu.	1	12-55 P.M. to 1-10 P.M. cloud not visible owing to haze.
12-45	.887	.944	78.6	65.1	.440	45	Calm	0	Cu.	1	
12-50	.887	.944	79.2	65.5	.448	45	Calm	0	Cu.	2	
12-55	.885	.942	78.6	65.5	.455	47	SSE	7.2	Nil	2	
1-0	.885	.942	78.1	64.5	.427	45	SSE	6.0	"	3	
1-5	.885	.942	77.2	64.1	.425	46	Calm	1.2	"	3	Eclipse ended at N. E.
1-10	.883	.940	77.1	64.5	.440	48	Calm	0	"	4	
1-15	.884	.941	77.1	64.5	.440	48	Calm	0	"	4	
1-20	.882	.939	76.6	63.5	.415	46	Calm	0	"	5	
1-25	.880	.937	77.4	64.5	.437	47	Calm	1.2	"	6	
1-30	.878	.935	77.1	64.5	.440	48	Calm	0	"	6	
1-35	.878	.935	76.6	64.1	.432	47	Calm	0	"	7	
1-40	.876	.933	76.1	64.1	.439	49	Calm	1.2	"	8	
1-45	.878	.935	75.1	63.5	.426	49	Calm	1.2	"	8	
1-50	.876	.934	74.9	63.2	.424	49	Calm	1.2	"	8	
1-55	.876	.934	74.3	63.0	.426	50	Calm	0	"	8	
2-0	.876	.934	74.0	63.0	.430	51	Calm	3.6	"	8	
2-5	.877	.935	73.8	63.0	.433	52	Calm	0	"	...	
2-10	.877	.935	74.3	63.5	.443	53	Calm	2.4	"	5	
2-15	.877	.935	74.5	64.1	.460	54	Calm	0	"	5	
2-20	.877	.935	74.7	64.5	.472	56	Calm	0	"	3	
2-25	.875	.933	74.9	64.5	.469	55	Calm	0	"	2	
2-30	.872	.929	75.5	65.0	.478	54	Calm	1.2	"	2	
2-35	.872	.929	75.5	64.1	.447	51	WSW	3.6	"	2	
2-40	.872	.929	75.6	64.1	.446	50	WSW	4.8	"	2	
2-45	.872	.929	75.7	64.0	.442	50	WSW	4.8	"	1	
2-50	.872	.929	76.1	64.5	.454	51	WSW	3.6	"	1	
2-55	.872	.929	76.6	64.0	.429	47	WSW	4.8	"	1	
3-0	.872	.929	76.6	64.5	.447	49	WSW	3.6	"	1	
3-5	.870	.927	76.6	64.6	.450	49	WSW	2.4	"	0	
3-10	.870	.927	76.6	64.8	.457	50	WSW	1.2	"	...	

No. 92. Lat. 22° 17' N.

RAJKOT.

Long. 70° 52' E.

Three hundred and ninety-two miles from central line of totality. Greatest obscuration 8.

Hour.	BAROMETER.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind		Cloud proportions.	WEATHER AND OTHER REMARKS.
	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.					Direction.	Amount since preceding interval, in miles per hour.		
A.M.										
10-0	29.643	30.027	82.9	59.3	189	17	E	...	Nil	Fine clear weather.
10-10	637	015	83.1	59.6	192	18	...	54	"	Do.
10-16	637	019	84.6	59.8	177	15	E	60	"	Do.
10-23	644	026	84.7	60.0	190	10	E	94	"	Do.
10-30	648	032	85.3	60.6	201	17	E	51	"	Do.
10-37	648	030	85.6	60.2	185	15	E	60	"	Do.
10-45	644	026	86.4	60.8	193	16	E	60	"	Do.
10-53	650	031	87.1	61.4	203	16	E	69	"	Do.
11-0	633	013	87.6	61.6	203	16	E	40	"	Do.
11-7	643	023	88.0	60.4	159	11	E	40	"	Do.
11-12	633	013	88.3	61.2	181	13	E	80	"	Do.
11-18	628	006	89.0	61.4	177	12	E	80	"	Do.
11-25	624	002	89.3	61.2	180	13	E	80	"	Do.
11-30	624	002	89.3	61.2	168	12	E	73	"	Do.
11-35	625	002	90.1	62.6	202	14	E	50	"	Do.
11-41	627	004	89.6	61.8	181	13	E	50	"	Do.
11-47	617	29.994	89.9	61.8	178	13	E	50	"	Do.
11-53	621	998	90.1	62.3	172	13	E	50	"	Do.
12-0	617	993	90.7	62.5	191	14	E	60	"	Do.
P.M.										
0-6	615	991	90.9	62.8	198	14	N	43	"	Do.
0-13	613	990	90.3	62.1	183	13	E	70	"	Do.
0-19	611	988	90.3	62.0	179	12	ESE	90	"	Do.
0-26	607	983	91.1	61.4	149	10	ESE	43	"	Do.
0-33	609	986	90.3	61.4	150	10	E	50	"	Eclipse commenced, sky to the neighbourhood sun whitish.
0-40	600	977	90.1	62.2	188	13	ESE	20	"	Do.
0-50	598	975	89.5	61.8	183	13	E	40	"	Do.
0-56	597	975	89.1	62.8	222	16	E	40	"	Dark and gloomy.
1-4	593	973	88.3	62.8	233	18	E	15	"	Do.
1-12	599	980	87.3	62.0	220	17	E	15	"	Do.
1-20	597	978	87.3	61.8	214	17	NNE	13	"	Do.
1-30	605	986	87.3	61.8	214	17	E	20	"	Do.
1-35	609	990	87.3	62.0	220	17	E	20	"	Do.
1-42	605	986	88.1	61.8	203	15	E	15	"	Fine clear weather, clear sky.
1-50	597	977	88.3	62.0	206	15	E	17	"	Fine clear weather.
1-56	593	971	89.1	62.0	196	14	NNE	40	"	Do.
2-3	569	947	89.1	61.2	170	12	NNE	0	"	Do.
2-10	555	933	89.3	61.4	173	12	NNE	73	"	Calm.
2-18	569	946	90.3	62.0	179	12	NNE	45	"	Fine clear weather.
2-25	579	956	90.3	62.2	180	13	E	30	"	Do.
2-31	581	958	90.3	62.2	186	13	NNE	50	"	Eclipse terminated, sun light as usual.
2-37	587	963	91.1	62.8	195	13	NNE	50	"	Do.
2-43	587	963	90.9	62.8	198	14	NNE	40	"	Do.
2-50	590	966	91.1	63.0	202	14	NNE	09	"	Do.
2-56	580	957	90.3	62.4	192	13	NNE	50	"	Do.
3-2	560	936	90.7	62.8	233	16	NNE	20	"	Do.
3-9	562	939	90.3	62.0	179	12	N	34	"	Do.
3-15	558	934	90.5	62.8	203	14	N	40	"	Do.
3-22	556	932	90.5	62.4	190	13	NNE	17	"	Do.
3-29	552	928	90.9	63.4	218	14	NNE	26	"	Do.
3-35	552	928	91.1	63.4	215	14	NNE	30	"	Do.
3-41	578	954	91.4	64.2	218	16	NNE	30	"	Do.
3-47	574	950	91.1	64.0	236	16	NNE	10	"	Do.
3-53	570	946	91.4	64.0	231	15	NNE	0	"	Do.
4-0	572	947	91.6	64.2	235	15	NNE	42	"	Calm.

No. 93. Lat. 23° 25' N.

COMILLA.

Long. 91° 14' E.

Four hundred and four miles from central line of totality. Greatest obscuration 8.

Hour.	Barometer.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind.		Cloud, kind and proportion.	Proportion of eclipse, totality to.	WEATHER AND OTHER REMARKS.
	Corrected and reduced to 32° F.	Reduced to sea-level and corrected gravity.					Direction.	Amount since preceding interval, in miles per hour.			
A.M.											
9-32	30.029	30.014	70.6	64.8	.537	72	Calm	..	Nil	...	Fine clear weather.
9-47	30.027	30.012	71.8	63.2	.467	60	Calm	0	"	...	
10-02	30.027	30.012	72.2	64.8	.502	60	S	1.2	"	...	
10-17	30.027	30.002	74.4	64.8	.487	57	SE	1.6	"	...	
10-32	30.011	29.995	75.2	64.4	.401	53	ESE	2.2	"	...	
10-47	30.005	29.981	76.3	61.6	.424	50	Calm	1.2	"	...	
11-02	30.001	29.975	77.2	64.8	.448	48	ESR	0.8	"	...	
11-17	29.997	29.971	78.6	63.8	.423	46	NE	2.0	"	...	A white cloud appeared on the S. W. of the horizon; more than half the sky was blue, and the rest white.
11-32	29.985	29.959	77.8	61.8	.441	46	NE	1.6	Cl.	...	Cloud formation began. White clouds visible in the S. W. and small reddish-coloured clouds in N. E. horizon.
11-47	29.977	29.951	78.3	62.8	.541	50	SW	2.8	Cl.	...	White patches of clouds here and there horizon.
P.M.											Do not.
0-02	29.969	29.943	78.4	63.6	.742	55	Calm	0.8	Cl.	...	
0-17	29.963	29.937	78.8	67.6	.527	51	W	0.8	Cl.	...	
0-32	29.955	29.929	71.8	65.0	.474	44	W	2.0	Cl.	...	Eclipse began at 0-37 P.M.
0-47	29.953	29.927	70.3	65.3	.475	43	SE	1.6	Cl.	...	
0-52	29.951	29.925	72.7	63.3	.434	42	...	...	...	...
0-57	29.949	29.923	70.6	64.8	.414	41	...	...	...	...
1-02	29.948	29.922	72.8	64.6	.407	41	SE	4.8	Cl.	...	
1-07	29.945	29.919	70.8	64.6	.407	41	...	...	...	...
1-12	29.943	29.917	70.8	64.3	.376	35	SE	4.8	Cl.	...	
1-17	29.941	29.927	72.8	64.3	.414	41	...	...	...	5	At 1-17 P.M. sun nearly half eclipsed, its heat felt less and atmosphere assumed a black of stillness.
1-22	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
1-27	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
1-32	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
1-37	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
1-42	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
1-47	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
1-52	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
1-57	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
2-02	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
2-07	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
2-12	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
2-17	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
2-22	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
2-27	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
2-32	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
2-37	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
2-42	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
2-47	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
2-52	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
2-57	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
3-02	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
3-07	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
3-12	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
3-17	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
3-22	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
3-27	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
3-32	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
3-37	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
3-42	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
3-47	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
3-52	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
3-57	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
4-02	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
4-07	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
4-12	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
4-17	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
4-22	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
4-27	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
4-32	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
4-37	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
4-42	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
4-47	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
4-52	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
4-57	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
5-02	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
5-07	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
5-12	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
5-17	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
5-22	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
5-27	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
5-32	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
5-37	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
5-42	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
5-47	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
5-52	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
5-57	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
6-02	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
6-07	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
6-12	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
6-17	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
6-22	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
6-27	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
6-32	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
6-37	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
6-42	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
6-47	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
6-52	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
6-57	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
7-02	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
7-07	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
7-12	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
7-17	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
7-22	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
7-27	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
7-32	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
7-37	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
7-42	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
7-47	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
7-52	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
7-57	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
8-02	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
8-07	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
8-12	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
8-17	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
8-22	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
8-27	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
8-32	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
8-37	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
8-42	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
8-47	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
8-52	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
8-57	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
9-02	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
9-07	29.941	29.927	72.8	63.6	.421	41	...	...	...	...
9-12	29.941	29.927	72.8	63.6	.421	41	...	...	...

No. 94 Lat 21°42' N

BARISAL

Long 90°25' E

Four hundred and eight miles from central line of totality Greatest obscuration 3

Hour	Barometer		Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure	Relative humidity	Wind		Cloud percentage	Proportion of eclipse totality to	Weather and other remarks
	Corrected and reduced to 32° F	Reduced to sea level and constant gravity					Direction	Amount moving over land, in miles per hour			
Madras time	"	"	"	"	"	%					
A M											
9-19	30.055	30.014	73.3	63.8	467	57	Calm	"	Nil		Fine clear weather Blue sky
9-34	03.1	010	74.7	64.8	482	55	Calm	1	"		Ditto ditto
9-49	04.6	004	75.5	64.8	471	53	Calm	0	"		Ditto ditto
10-4	04.0	000	76.5	64.8	458	51	Calm	0	"		Ditto ditto
10-19	039	29.997	76.8	64.8	454	49	Calm	0	"		Ditto ditto
10-34	033	991	78.4	65.4	454	46	Calm	0	"		Ditto ditto
10-49	027	985	78.4	65.5	452	46	Calm	2.0	"		Ditto ditto
11-4	019	977	79.4	65.7	450	45	Calm	0	"		Ditto ditto
11-19	013	971	79.4	63.8	385	38	Calm	0	"		Ditto ditto
11-34	007	965	79.5	64.6	411	41	Calm	0	"		Ditto ditto
11-49	29.998	957	79.0	64.7	421	42	Calm	0	"		Ditto ditto
P M											
0-4	988	946	79.5	64.8	418	42	Calm	0	"		Ditto ditto
0-19	982	940	80.2	65.0	415	41	Calm	0	"		Ditto ditto
0-29	978	936	80.0	64.8	411	41	Calm	0	"		Eclipse commenced from the south west of the sun; colour of sky and sun yellowish
0-34	974	932	80.0	64.8	411	41	Calm	1	"		Fine clear weather Colour of sky and sun yellowish
0-39	970	928	80.0	64.8	411	41	E	0	"	1	Ditto ditto
0-44	968	926	80.0	64.8	411	41	SSW	0	"	1	Ditto ditto
0-49	968	926	80.0	65.2	425	41	SSW	0	"	2	Ditto ditto
0-54	968	926	80.0	65.2	425	41	Calm	0	"	2	Ditto ditto
0-59	968	926	80.0	65.2	425	41	Calm	0	"	3	Ditto ditto
1-4	965	923	79.1	64.4	409	41	Calm	0	"	3	Ditto ditto
1-9	965	923	79.1	64.4	409	41	Calm	0	"	4	Ditto ditto
1-14	965	923	78.7	64.2	408	41	Calm	0	"	4	Ditto ditto
1-19	965	923	78.7	64.2	408	41	Calm	0	"	5	Ditto ditto
1-24	966	924	78.4	63.8	399	41	Calm	0	"	5	Ditto ditto
1-29	966	924	77.7	64.8	442	47	Calm	0	"	6	Ditto ditto
1-34	966	924	77.7	64.8	442	47	Calm	0	"	6	Ditto ditto
1-39	967	925	77.7	64.8	442	47	Calm	0	"	7	Ditto ditto
1-44	967	925	76.6	64.8	457	50	Calm	0	"	7	Ditto ditto
1-49	965	923	76.2	64.8	462	51	Calm	0	"	7	Ditto ditto
1-54	963	921	75.3	64.8	474	54	Calm	0	"	7	Ditto ditto
1-59	963	921	75.3	64.8	474	54	Calm	0	"	8	Maximum obscuration of sun
2-4	961	919	75.5	64.8	470	54	Calm	0	"	?	Fine clear weather
2-9	961	919	75.4	64.8	473	54	Calm	0	"	?	
2-14	959	917	76.1	64.8	464	52	Calm	0	"	?	
2-19	959	917	76.1	64.8	464	52	Calm	0	"	?	
2-24	959	917	76.1	65.3	481	53	Calm	0	"	?	
2-29	959	917	76.1	65.3	481	53	Calm	0	"	?	
2-34	959	917	76.1	65.3	481	53	Calm	0	"	?	Colour of sky becoming blue and of the sun yellow Fine clear weather
2-39	959	917	76.7	65.3	473	51	Calm	0	"	?	Ditto ditto
2-44	959	917	76.9	65.8	488	53	Calm	0	"	?	Ditto ditto
2-49	959	917	77.1	65.8	485	52	Calm	0	"	?	Ditto ditto
2-54	959	917	77.3	63.8	413	44	Calm	0	"	?	Termination of the eclipse Colour of sky blue and of sun yellow Fine clear weather
3-9	959	917	77.0	63.8	417	46	Calm	0	"		Fine clear weather
3-19	959	917	77.0	63.8	417	46	Calm	0	"		Ditto

No. 9. Lat. 29° 38' N.

RANIKHET.

Long. 79° 29' E.

Four hundred and eight miles from central line of totality. Greatest obscuration 8.

Hour.	Baromet. 72° F.	Corrected and reduced to 32° F.	Dry bulb corrected.	Wet bulb corrected.	Apparent temperature.	Relative humidity.	Wind.		Cloud percentage.	Proportion of eclipse, totality to.	WEATHER AND OTHER REMARKS.
							Direction.	Amount since preceding interval, in miles per hour.			
A.M.											
10-3	24.200		58.6	45.0	161	33	SW	...	Nil	...	Fine clear weather.
10-15	108		58.6	45.5	160	32	W	3.2	"	...	Iditto ditto
10-33	108		58.6	45.0	161	30	W	4.4	"	...	Iditto ditto
10-45	109		61.4	45.5	162	30	W	4.8	"	...	Iditto ditto
11-3	108		61.6	45.0	161	30	SW	4.0	"	...	Iditto ditto
11-15	108		61.6	45.0	163	32	W	5.2	"	...	Iditto ditto
11-33	108		60.2	46.1	163	32	W	5.6	"	...	Iditto ditto
11-45	106		59.7	45.0	170	33	S	6.3	"	...	Iditto ditto
P.M.											
0-5	106		60.1	47.5	159	30	W	5.2	"	...	Iditto ditto
0-15	104		60.0	45.5	153	29	W	8.0	"	...	Commencement of the solar eclipse.
0-20	106		60.6	46.0	161	30	W	7.2	"	...	
0-25	107		60.7	45.0	159	30	W	7.2	"	...	
0-31	107		61.5	45.6	163	30	W	4.8	"	...	
0-35	105		61.6	45.5	167	30	W	6.0	"	...	
0-45	105		60.0	45.2	161	30	W	7.2	"	1	Somewhat dark for a short time during the eclipse.
0-48	105		60.4	45.1	143	27	W	5.4	"	1	
0-50	105		60.6	45.0	161	30	W	5.4	"	2	
0-55	101		61.0	45.5	160	30	W	5.6	"	3	
1-0	101		61.0	45.5	153	29	W	7.2	"	4	
1-5	100		61.6	45.0	155	29	NW	10.8	"	4	
1-10	100		59.0	45.0	155	29	W	9.6	"	5	
1-15	102		59.0	45.5	154	31	W	9.6	"	6	
1-21	100		59.0	45.5	145	29	W	8.4	"	6	
1-25	102		59.0	45.5	151	31	W	10.0	"	7	
1-30	102		57.6	44.1	152	31	W	7.2	"	8	
1-35	102		57.6	44.1	153	31	SW	4.5	"	8	
1-40	102		57.0	44.0	144	31	W	7.2	"	8	
1-45	102		57.0	44.0	155	31	W	6.0	"	8	
1-50	102		56.6	44.0	160	30	NW	5.6	"	8	
1-55	102		56.6	44.0	160	28	W	6.0	"	6	
2-0	101		56.0	44.1	157	34	W	6.0	"	6	
2-5	101		55.4	44.2	155	37	W	7.2	"	4	
2-10	101		55.6	44.6	161	31	Calm	6.0	"	2	
2-15	101		55.0	45.0	161	31	W	4.8	"	1	
2-20	101		55.6	45.0	161	31	W	4.8	"	1	
2-25	101		55.2	45.0	152	31	W	6.0	"	1	
2-30	102		55.6	44.5	146	31	W	3.4	"	1	
2-35	102		58.2	45.0	150	32	SW	9.6	"	1	
2-40	102		59.1	45.0	150	29	W	9.6	"	...	
2-45	100		57.2	45.0	151	30	W	8.4	"	...	
2-51	101		57.6	45.0	153	29	W	4.6	"	...	
2-55	101		59.2	45.1	154	29	W	9.6	"	...	Termination of the solar eclipse at 2.55 P.M.
3-10	102		59.0	45.0	150	29	W	9.2	"	...	
3-21	100		59.4	44.7	145	29	W	10.4	"	...	
3-40	102		59.0	45.1	151	29	NW	6.2	"	...	
3-55	100		58.6	44.1	140	26	WSW	6.4	"	...	
4-5	100		57.6	44.5	144	29	W	9.0	"	...	

No. 96 Lat. 14°28 N.

NELLORE

Long 80° 5' E.

Four hundred and twelve miles from central line of totality Greatest obscuration 8

Greatest obscuration 8												
H. OLR	BAROMETER			Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure	Relative humidity	Wind		Cloud preparation	Proportion of eclipse total to	WEATHER AND OTHER REMARKS
	Madras time	Corrected and reduced to 32°F	Reduced to sea level and constant gravity					Direction	Amount and speed of interval in miles per hour			
AM												
10 1	29 930	29 994	81.5	73.7	728	68	WNW		6			10-1 AM to 11-46 AM White clouds upper moving from S E and lower from NW Sky bluish
10 16	985	989	81.7	73.7	727	67	WNW	22.0	6			
10 31	985	989	82.1	73.8	723	66	WNW	5.6	7			
10 46	983	987	82.4	73.9	726	65	WNW	8.8	8			
11 1	985	990	81.7	73.4	717	66	WNW	7.2	8			
11 16	976	980	81.7	74.8	730	61	NE	7.6	8			
11 31	974	978	82.0	73.1	696	64	NE	8.8	8			
11 46	970	974	82.5	73.3	697	63	NW	7.2	8			
11 55	966	970	82.9	74.1	725	64	NE	8.0	8			
12-0	974	968	83.9	74.8	745	64	NE	7.2	8	0.5		11 55 AM to 0-45 PM Clouds of brick dust colour changing to light amber
PM										0.6		Three spots observed on the face of the sun but they gradually disappeared as the eclipse progressed
0 5	960	964	83.9	74.8	745	64	NE	8.4	8	0.7		During the eclipse no perceptible darkness, hence stars were not visible. Temperature low and wind velocity high during eclipse and a few clouds—upper from S E and lower from NW—were visible varying in thickness.
0 10	960	964	83.7	74.7	742	64	NE	6.0	8			
0 15	956	960	83.5	74.4	730	64	NE	10.8	8	1		
0 30	954	958	83.3	74.4	732	64	WNW	7.2	9	2		
0 45	952	956	83.9	75.0	749	64	NE	6.0	9	3		Sun's disc completely obscured by clouds
0 50	948	952	82.7	73.7	714	63	NE	8.4	9	3		
0 55	948	952	82.8	73.7	714	64	NE	9.6	9	3		
1 0	944	948	82.1	73.9	718	67	NE	7.2	9	4		Sun's disc not clearly visible
1 15	942	946	81.9	73.7	722	67	NE	8.4	9	4		
1 30	940	944	81.9	73.7	722	67	NE	8.4	10	5		0-30 PM to 1-30 PM overcast
1 45	938	942	81.7	73.8	728	68	NE	6.0	10			
1 50	936	940	81.9	73.8	726	67	NE	6.0	10			
1 55	934	938	81.3	73.7	734	69	NW	7.2	10			
2 0	934	938	80.7	73.1	717	68	NE	6.0	10			
2 15	932	936	80.3	72.8	708	68	NE	7.2	10			
2 30	930	934	79.9	72.4	698	68	NE	8.4	10			
2 45	931	935	79.8	72.8	717	70	NE	7.2	10			
2 50	929	933	80.0	73.1	723	71	NE	6.0	10	8		1-45 PM to 2-45 PM sun's disc visible
2 55	925	929	79.8	73.0	722	71	NE	8.4	9			
3 0	923	927	79.8	73.4	737	72	NE	7.2	9	7		
3 15	921	925	80.0	73.7	748	73	NE	6.0	9	6		
3 30	917	921	80.0	73.8	749	73	NE	4.8	9	6		
3 45	915	919	80.2	73.8	749	73	NE	9.6	9	5		1-55 PM to 2-45 PM clouds of brick dust colour changing to light amber
3 0	913	917	79.8	73.7	754	74	NE	6.0	9			
3 15	915	919	79.8	73.5	742	73	NE	8.4	8			
3 30	913	917	80.9	74.1	752	72	NE	7.2	6	4		
3 45	913	917	80.9	74.1	756	72	NE	7.2	6			
4 0	913	917	80.9	73.9	747	72	NE	7.2	5	3		
4 15	909	913	80.0	73.7	748	73	NE	10.8	5			
4 30	911	915	80.9	73.9	747	73	NE	8.4	6			
4 45	911	915	81.4	73.9	737	71	NE	6.0	7	2		
4 0	913	917	80.3	73.3	730	69	NE	8.4	9	1		
4 15	913	917	81.3	73.5	722	68	NE	8.4	9	0.5		
4 30	917	921	80.9	73.7	736	71	NE	6.8	10			Overcast
4 45	915	919	80.9	73.8	740	71	NE	8.4	10			Ditto Clouds commencing to decrease
4 0	913	917	82.3	73.9	724	66	NE	9.2	6			Fine weather with passing clouds.
4 15	914	918	80.9	72.9	705	67	NE	8.4	8			Ditto ditto
4 30	916	920	81.0	71.9	661	62	NE	8.8	5			Ditto ditto

No. 97. Lat. 24° 36' N.

MOUNT ABU.

Long. 72° 45' E.

Four hundred and twenty-three miles from central line of totality. Greatest obscuration 8.

Hour.	Barom- ter.	Dry bulb, corrected.	Wet bulb, corrected.	Aqueous vapour pressure.	Rela- tive humid- ity.	WIND.		CLOUD.		Proportion of eclipse totally to.	SOLAR RADIATION THERMOMETER.		Nocturnal radiation thermo- meter corrected.	WEATHER AND OTHER REMARKS.
						Direction	Amount since pre- ceding in- terval, in miles per hour.	Pro- portion.	Kind.		No. 468 corrected.	No. 6665 corrected.		
A.M.					%									
10-30	26.211	70.3	49.8	12.4	17	W	...	Nil	...	...	117.3	122.4	71.8	Clear.
10-45	26.9	70.7	49.4	11.0	14	WSW	5.3	"	...	...	118.1	123.2	83.7	Do.
11-0	21.0	69.8	49.4	12.0	16	W	8.5	"	CL	...	117.9	124.0	89.7	Cloudy.
11-15	19.9	70.3	47.4	11.4	15	W	5.4	"	CL	...	117.7	125.2	91.9	Do.
11-30	19.8	70.1	49.5	12.0	17	NW	7.2	1	CL. Cu. from S.W.	...	119.1	126.4	92.3	Do.
11-45	19.7	70.3	49.8	12.1	17	SW	2.6	2	A. Cu. from S.	...	120.5	127.4	95.5	Do.
12-0 P.M.	19.5	71.2	5.5	13.1	18	NW	5.2	3	"	...	123.3	130.2	93.5	Eclipse commenced at 11:37 A.M.
0-5	19.3	71.2	50.8	11.3	18	NW	4.3	3	"	0.5	122.9	130.2	93.7	
0-10	19.1	71.2	51.2	14.9	19	NW	4.8	3	"	0.8	123.1	130.2	93.7	
0-15	18.9	69.7	49.6	12.6	19	NW	20.2	2	"	1	114.5	120.2	90.7	Clouds became dim on the west.
0-20	18.6	69.9	49.8	12.9	19	NW	5.3	2	"	...	112.8	117.4	90.5	Do.
0-25	18.4	70.9	50.6	13.7	18	SW	18.2	2	"	2	113.3	117.7	90.7	Do.
0-30	18.1	71.2	50.4	12.8	16	SW	19.0	2	"	2.5	112.3	117.0	91.9	Do.
0-35	17.8	70.3	50.2	13.4	18	NW	14.9	2	"	...	110.3	114.7	89.9	
0-40	17.8	69.9	49.9	13.1	18	NW	3.6	1	Ca. from S.E. CL.	...	108.3	112.8	88.7	
0-45	17.6	69.9	50.6	14.9	20	SW	3.1	0.5	"	3	103.7	107.4	86.7	
0-50	17.6	70.1	50.6	14.7	20	W	3.8	Nil	...	...	101.8	105.0	86.2	Hazy and dim day- light.
0-55	17.7	69.3	49.9	13.8	19	NW	4.2	"	...	4	99.8	103.0	83.7	Do.
1-0	17.1	68.5	49.8	14.5	21	NW	7.0	"	...	...	96.3	97.8	80.6	
1-5	16.9	68.5	49.8	14.5	21	NW	3.2	"	...	...	89.9	91.2	78.2	
1-10	16.9	68.3	49.4	13.7	19	NW	3.2	"	"	7	83.3	88.2	76.4	Hazy.
1-15	16.5	68.3	49.8	14.2	21	NW	1.6	"	...	...	84.7	84.2	75.4	
1-20	16.5	67.9	49.6	14.7	22	NW	5.4	"	...	8	81.5	81.2	73.0	
1-25	15.7	67.8	49.4	14.3	20	NW	1.4	"	...	...	80.3	81.2	72.8	
1-30	15.3	67.4	49.8	15.1	23	NW	2.2	"	...	7	77.6	76.8	72.2	
1-35	15.4	67.9	47.8	15.1	23	NW	2.4	"	...	6	81.1	77.2	72.0	
1-40	15.4	67.9	47.6	14.7	21	NW	2.4	"	...	5	83.1	79.7	73.2	
1-45	15.2	67.9	50.0	13.6	23	NW	2.4	"	...	4	81.7	81.7	73.8	
1-50	15.0	68.3	50.2	15.7	23	NW	2.9	"	...	...	88.9	86.2	74.6	
1-55	15.0	68.3	50.2	15.7	23	NW	1.3	"	...	3	91.3	89.2	74.8	
2-0	15.0	67.7	50.5	16.0	24	NW	2.0	"	...	...	95.5	95.2	77.0	
2-5	15.0	68.8	50.6	16.1	24	NW	1.3	"	...	2	96.0	97.0	77.6	
2-10	15.0	69.3	50.6	15.6	24	NW	1.9	"	...	...	102.1	104.4	79.2	
2-15	14.7	69.3	50.4	15.0	20	NW	1.3	"	...	1	104.1	106.2	80.0	
2-20	14.5	70.3	51.5	16.5	22	NW	1.9	"	...	...	108.7	111.7	82.8	
2-25	14.5	69.8	51.2	16.5	22	NW	0.7	"	...	...	111.3	115.4	85.3	
2-30	14.7	70.5	51.5	16.4	22	NW	2.6	"	...	0.5	112.3	116.2	85.7	
2-35	14.9	70.9	51.5	16.0	21	NW	2.5	"	...	...	116.5	121.2	88.7	
2-40	14.9	71.2	51.9	16.7	21	NW	2.5	"	...	...	117.7	122.4	88.9	
2-45	14.1	71.4	52.3	17.4	22	NW	4.1	"	...	...	118.3	124.0	89.5	Eclipse terminated.
3-0	14.1	72.2	53.3	19.1	23	WNW	2.0	"	...	...	119.8	126.0	91.7	
3-5	14.7	72.2	53.9	20.2	25	WNW	1.1	"	...	...	119.8	126.0	94.7	
3-10	14.6	71.6	52.5	17.7	23	NW	1.0	"	...	...	119.5	125.2	89.2	
3-15	14.8	71.2	51.8	16.3	21	NW	6.3	"	...	...	118.1	124.4	85.7	
4-0	15.1	71.7	53.3	19.7	21	NW	2.8	"	...	...	116.8	122.0	84.7	
4-15	15.3	70.9	51.5	18.9	21	NW	5.4	"	...	...	116.5	120.3	82.0	
4-30	15.4	71.2	52.3	17.6	22	NW	1.4	"	...	...	113.7	118.0	80.8	

Four hundred and thirty miles from central line of totality Greatest obscuration 8

Hour.	Barometer		Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure	Relative humidity	Wind		Cloud proportion	Proportion of eclipse, total to	Weather and other remarks
	Madras time	Corrected and reduced to sea level and constant gravity					Direction	Amount received according to normal, in miles per hour			
A M						%					
10-22	28 473	30 099	68 3	56 5	313	45	Calm		Nil		
10 42	466	086	70 4	57 3	370	41	S	03	"		
10-52	462	079	71 3	57 7	310	41	S	12	"		
11-2	460	073	72 6	58 2	308	38	Calm	42	"		
11 12	455	063	73 8	58 9	314	37	S	18	"		
11 22	451	056	74 6	59 2	316	36	S	12	"		
11 32	442	044	75 3	59 5	315	36	S	06	"		11 2 A M The sky was exceptionally clear
11-42	438	034	77 2	60 0	315	34	S	06	"		
11 52	436	032	77 4	60 2	310	33	S	24	"		
P M											
0-2	434	029	77 6	60 4	313	33	S	12	"		
0 12	431	025	77 9	60 7	319	34	S	18	"		
0-22	429	022	78 3	60 9	319	33	SE	36	"		0-2 P M Eclipse commenced from S C and went on increasing towards the west.
0-32	424	015	78 6	61 3	329	33	SE	24	"	2 nt 0-17 P M	
0 42	421	013	78 3	61 2	331	34	S	12	"	3 nt 0 27	
0-52	416	009	78 1	60 9	322	34	SE	12	"	4 nt 0 37	
1 2	410	004	77 6	60 7	322	34	SE	12	"	5	
1 12	408	003	77 1	60 5	323	35	SE	30	"	6	
1 22	404	001	76 4	60 5	331	36	SE	18	"	7 nt 1 7	
1 32	399	29 997	76 1	60 0	319	36	Calm	12	"	8 nt 1 17	1 17 P M It was just like evening
1 42	392	989	76 2	60 6	337	38	SE	06	"	7 nt 1 57	
1 52	385	981	76 3	60 7	339	38	SE	18	"	6 nt 1 47	
2 2	384	979	76 7	60 8	336	36	SE	24	"	5 nt 1 57	
2 12	380	973	77 3	60 9	332	35	S	12	"	4	
2 22	376	965	78 3	61 2	331	34	S	24	"	3 nt 2 5	
2 32	382	966	79 3	61 6	329	33	S	12	"	2 nt 2 9	
2-42	381	967	79 5	61 7	329	33	S	06	"	1 nt 2 19	
2 52	379	963	80 4	62 5	343	33	S	18	"	0 nt 2 47	Eclipse terminated at 2-47 P M
3 2	383	965	80 8	62 7	345	33	SE	06	"		
3 12	383	964	81 4	63 0	347	32	SW	30	"		
3 22	387	967	81 5	62 9	343	32	Calm	06	"		
3 32	382	962	81 8	63 6	359	34	SW	30	"		
3 42	385	964	82 0	63 9	370	34	Calm	30	"		
3 52	386	965	81 9	63 5	388	33	W	06	"		
4 2	397	973	81 3	63 7	372	35	Calm	18	"		
4 12	396	977	81 5	63 8	371	35	Calm	0	"		
4 22	395	976	81 6	64 5	396	37	W	06	"		

No. 99. Lat. 26° 55' N.

SAMBHAR.

Long. 75° 14' E.

Four hundred and thirty two miles from central line of totality. Greatest obscuration 8.

Hour.	Barometer.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind.		Cloud percentage.	Proportion of eclipse, totality 10.	Weather and other remarks.
	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.					Direction.	Amount since preceding interval, in miles per hour.			
A.M.	"	"	"	"	"	%					
10-20	28.812	30.068	69.5	55.5	.269	38	Calm	...	Nil	...	Clear blue sky.
10-35	.814	.064	71.8	56.9	.280	36	Calm	0.4	"	...	Do.
10-50	.816	.062	73.7	57.7	.280	34	Calm	0	"	...	Do.
11-5	.810	.054	74.6	58.3	.286	34	Calm	0.4	"	...	Do.
11-20	.805	.045	76.2	58.8	.281	31	Calm	0.4	"	...	Do.
11-35	.800	.040	75.9	58.3	.271	30	Calm	0	"	...	Do.
11-50	.795	.032	77.0	58.7	.268	30	Calm	0	"	...	Do.
P.M.											
0-5	.791	.033	77.5	58.8	.264	29	WSW	0.8	"	...	Eclipse commenced at 0-5 P.M.
0-10	.789	.025	77.2	58.7	.265	29	WSW	1.2	"	1	Clear blue sky.
0-15	.788	.021	78.4	58.5	.246	25	WSW	1.2	"	1	Do.
0-20	.785	.019	78.2	57.8	.227	23	WSW	2.4	"	1	Do.
0-25	.784	.019	77.7	57.9	.236	24	WSW	1.2	"	2	Do.
0-30	.783	.016	78.7	58.8	.250	25	WSW	1.2	"	2	Do.
0-35	.782	.013	79.0	58.8	.246	25	WSW	1.2	"	2	Do.
0-40	.779	.013	78.2	57.8	.227	23	WSW	2.4	"	3	Do.
0-45	.776	.010	78.2	57.8	.227	23	WSW	1.2	"	3	Do.
0-50	.775	.009	77.8	57.2	.215	22	WSW	1.2	"	3	Do. Sun light yellow.
0-55	.774	.008	78.2	57.8	.227	23	WSW	1.2	"	4	Do. do.
1-0	.773	.007	77.6	57.5	.227	24	WSW	1.2	"	4	Do.
1-5	.770	.005	77.7	57.4	.223	23	WSW	1.2	"	5	Do.
1-10	.768	.002	77.5	57.3	.221	23	Calm	0	"	6	Do.
1-15	.764	.001	76.7	57.4	.235	25	Calm	0	"	7	Sky blue and somewhat milky.
1-20	.762	.29999	76.6	56.9	.220	24	Calm	0	"	7	Do. darkness increasing.
1-25	.761	.998	76.3	56.6	.215	24	WNW	1.2	"	7	Do. do.
1-30	.759	.997	76.2	56.8	.223	24	Calm	0	"	8	Do. do.
1-35	.758	.995	76.3	57.6	.244	28	Calm	0	"	8	Do. do.
1-40	.756	.993	76.3	58.5	.272	31	Calm	0	"	8	Do. and sunlight yellow.
1-45	.754	.991	76.5	58.6	.271	30	Calm	0	"	7	Do. do.
1-50	.750	.985	77.0	58.8	.271	30	Calm	0	"	5	Do. Sun light increasing.
1-55	.748	.984	76.9	57.9	.246	27	Calm	0	"	4	Do. do.
2-0	.746	.980	77.4	58.0	.243	25	Calm	0	"	3	Do. do.
2-5	.746	.980	77.4	57.9	.240	25	Calm	0	"	3	Do. do.
2-10	.745	.978	78.1	57.9	.232	24	Calm	0	"	2	Sky blue, fine clear weather.
2-15	.745	.974	78.7	58.5	.242	25	Calm	0	"	2	Do.
2-20	.745	.978	78.0	57.6	.223	23	Calm	0	"	2	Do.
2-25	.745	.977	78.7	58.2	.232	23	Calm	0	"	1	Do.
2-30	.743	.972	79.4	58.4	.230	22	WSW	1.2	"	1	Do.
2-35	.742	.971	79.3	57.8	.214	21	WSW	1.2	"	1	Do.
2-40	.740	.969	79.5	58.4	.229	22	WSW	1.2	"	1	Do.
2-45	.742	.966	80.4	58.8	.229	22	WSW	1.2	"	1	Do.
2-50	.742	.971	79.6	58.2	.221	21	WSW	1.2	"	0	Do. Eclipse terminated at 2-49 P.M.
3-5	.744	.969	81.0	59.4	.241	22	WSW	2.0	"	...	Do.
3-20	.741	.969	81.2	59.6	.243	23	WSW	1.6	"	...	Do.
3-35	.744	.969	81.0	59.6	.245	23	WSW	0.8	"	...	Do.
3-50	.745	.972	80.6	59.2	.230	22	W	2.0	"	...	Do.
4-5	.749	.975	80.9	59.2	.235	22	W	1.6	"	...	Do.
4-20	.752	.977	81.0	59.4	.241	22	W	1.6	"	...	Do.

No 100. Lat 28° 40' N.

DELHI.

Long 77° 16'E

Four hundred and thirty three miles from central line of totality Greatest obscuration 8

HOUR	BAROMETER		Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure	Relative humidity	WIND		Cloud obscuration	Proportion of eclipse totality 10	WEATHER AND OTHER REMARKS
	Machin time	Corrected and reduced to 32° F					Direction	Amount of preceding interval in miles per hour			
A M											
10 12	29 314	30 025	67.3	55.2	277	41	NW		As 1		
10 22	315	025	68.3	55.7	278	41	WNW	48	"		
10 32	316	025	68.8	55.2	257	37	WNW	72	"		
10 42	316	024	69.3	55.7	265	38	NW	72	"		
10 52	317	024	69.8	55.7	258	36	NW	72	"		Clear sky and slightly hazy
11 2	321	028	70.3	55.2	237	32	NW	78	"		
11 12	316	021	71.2	56.2	254	33	WNW	84	"		
11 22	316	020	72.2	56.7	286	33	WNW	60	"		
11 32	314	017	72.7	56.7	249	31	NW	72	"		
11 42	312	014	73.2	57.2	257	31	NW	66	"		
11 52	309	010	74.2	57.7	289	31	NW	60	"		Blue sky W to NE
P M											
0 2	304	005	74.2	57.7	259	31	NW	84	"		
0 12	299	29 997	75.2	57.7	246	28	NW	54	"		
0 22	299	997	75.2	57.2	231	26	NW	90	"		
0 32	293	991	75.4	57.7	244	27	NW	60	"		Eclipse began at 0-17 P M
0 42	290	987	76.2	58.2	248	27	NW	90	"		
0 52	286	983	76.2	58.2	248	27	NW	42	"		
1 2	280	977	75.7	57.7	239	27	WNW	78	"		Sunshine yellowish
1 12	276	973	75.7	57.2	224	25	NW	48	"	45	Do
1 22	272	969	75.2	57.2	231	26	NW	90	"	48	Do
1 32	268	967	74.7	57.2	237	27	NW	60	"	5	
1 42	266	966	74.2	57.2	244	29	NW	66	"	6	
1 52	272	972	74.2	57.7	259	31	NW	54	"	7	
2 2	264	964	73.7	57.7	266	32	NW	30	"	8	
2 12	266	966	74.2	57.7	259	31	NW	30	"	6	
2 22	264	964	74.2	57.7	259	31	NW	30	"	5	
2 32	262	960	75.2	58.2	261	30	NW	60	"	3	
2 42	260	956	76.2	58.2	248	27	NW	60	"	2	
2 52	258	954	76.7	58.2	241	26	NW	60	"	1	
3 2	259	953	77.2	58.2	234	25	WNW	54	"	0.5	Eclipse terminated Clear sky
3 12	259	952	78.2	58.7	237	25	WNW	78	"		
3 22	261	955	77.7	57.7	213	23	NW	84	"		
3 32	261	955	77.2	57.7	219	24	NW	84	"		
3 42	263	956	78.2	58.2	221	23	NW	66	"		
3 52	264	957	78.2	58.2	221	23	NW	60	"		
4 2	264	958	77.7	57.7	215	23	WNW	54	"		Fine clear sky
4 12	262	956	77.7	57.7	213	23	WNW	54	"		

Four hundred and thirty-four miles from central line of totality. Greatest obscuration 8.

Hour.	BAROMETER.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind.		Kind of cloud.	Proportion of eclipse, totality 10.	WEATHER AND OTHER REMARKS.
	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.					Direction.	Amount since preceding interval, in miles per hour.			
A.M.											
9-17	30.028	30.020	65.8	62.3	51.7	81	ENE	...	Cl.	...	Fair weather.
9-32	028	020	66.6	62.3	50.3	76	ENE	4.8	"	...	No unusual appearance of the sun or of the sky at the time of greatest obscuration observed.
9-47	025	016	67.0	62.3	50.1	75	ENE	0.8	"	...	
10-2	023	015	67.8	62.3	49.0	72	ENE	0	"	...	
10-17	019	010	68.2	62.7	49.8	72	NNE	6.0	"	...	
10-32	008	29.999	68.4	62.3	48.2	70	NNE	1.6	"	...	
10-47	005	99.6	68.8	62.9	49.5	70	ENE	9.2	"	...	
11-2	29.993	98.9	69.3	62.3	46.3	63	E	0.8	"	...	
11-17	99.5	98.6	70.0	62.3	46.0	63	NE	0.4	"	...	
11-32	98.3	97.4	69.4	61.9	45.5	63	SW	0.4	"	...	
11-47	97.8	96.9	70.4	62.3	45.5	61	ENE	2.0	"	...	
P.M.											
0-2	97.2	96.3	69.8	61.1	42.4	58	NNE	3.2	"	...	
0-17	96.6	95.7	70.4	61.1	41.6	56	WNW	3.2	"	...	
0-32	96.0	95.1	70.2	60.1	38.7	53	E	3.6	"	1	
0-47	95.2	94.3	70.8	63.3	48.3	64	SSW	1.2	"	1	
0-52	95.2	94.3	70.8	63.1	47.6	63	SSW	3.6	"	...	
0-57	95.0	94.1	70.8	62.3	45.0	59	SSW	3.6	"	...	
1-2	95.0	94.1	70.8	62.3	45.0	59	SW	3.6	"	...	
1-7	95.0	94.1	70.8	62.3	45.0	59	S	3.6	"	...	
1-12	95.0	94.1	71.2	62.3	44.3	57	SSW	9.6	"	4	
1-17	94.8	93.9	70.8	62.3	45.0	59	SW	3.6	"	...	
1-22	94.1	93.5	70.8	62.3	45.0	59	SW	3.6	"	5	
1-27	94.1	93.5	70.8	62.3	45.0	59	SW	3.6	"	...	
1-32	94.4	93.5	70.8	62.3	45.0	59	SSW	3.6	"	6	
1-37	94.2	93.3	70.8	62.3	45.0	59	S	3.6	"	7	
1-42	94.4	93.5	70.6	62.3	45.2	60	S	3.6	"	8	
1-47	94.2	93.3	70.6	62.3	45.2	60	SSW	3.6	"	8	
1-52	94.2	93.3	70.6	62.3	45.2	60	S	3.6	"	8	
1-57	94.2	93.3	70.6	62.3	45.2	60	S	2.4	"	8	
2-2	93.8	92.9	70.4	62.5	46.0	62	SW	1.2	"	7	
2-7	94.2	93.3	70.2	63.3	46.0	66	SW	2.4	"	6	
2-12	94.2	93.3	70.2	63.3	49.0	66	SSW	2.4	"	5	
2-17	94.2	93.3	70.2	63.3	49.0	66	SW	2.4	"	...	
2-22	94.2	93.3	70.2	64.3	52.4	70	SW	1.2	"	4	
2-27	94.2	93.3	70.2	64.3	52.4	70	SSW	1.2	"	...	
2-32	94.1	93.2	70.2	64.7	53.9	73	SW	2.4	"	2	
2-37	94.1	93.2	69.8	64.7	54.5	74	SW	2.4	"	1	
2-42	94.1	93.2	69.8	64.7	54.5	75	SW	1.2	"	...	
2-47	94.1	93.2	69.8	64.7	54.5	75	S	2.4	"	...	
2-52	93.9	93.0	69.8	65.3	56.5	77	SSW	6.0	"	...	
2-57	93.9	93.0	69.8	65.3	56.5	77	SSW	2.4	"	...	
3-2	93.9	93.0	70.2	65.3	55.9	75	S	2.4	"	...	
3-17	94.0	93.1	70.2	64.7	53.9	73	SW	2.4	"	...	Eclipse terminated.

Four hundred and sixty-five miles from central line of totality. Greatest obscuration 8.

Hour	Barometer				Wet bulb corrected	Aqueous vapour pressure	Relative humidity	Wind		Cloud		Direction of motion	Proportion of eclipse, totality to	Weather and other remarks
	Made time	Corrected and reduced to 32° F	Reduced to sea level and constant gravity	Dry bulb corrected				Direction	Amount since preceding interval, in miles per hour	Proportion	Kind			
A.M.	"	"	"	"	"	"	%							
10-31	29 892	29 829	82 9	67 0	450	40	N	"	Nil	"	"	"	"	
10-46	893	830	83 0	69 0	522	46	NW	1 6	"	"	"	"	"	
11-1	891	828	84 3	70 0	513	46	NW	5 2	"	"	"	"	"	Blue sky.
11-16	885	822	84 4	69 6	523	44	WNW	4 8	"	"	"	"	"	
11-31	882	819	84 6	69 6	523	44	WNW	3 6	"	"	"	"	"	
11-46	879	816	84 6	69 8	531	44	WNW	2 8	"	"	"	"	"	
11-51	879	816	84 8	70 0	536	44	WNW	6 0	"	"	"	"	1	Diff. Eclipse commenced from W
11-56	877	814	85 0	70 2	541	44	WNW	4 8	"	"	"	"	"	
P.M.														
0-1	877	814	85 0	70 0	533	44	WNW	16 8	"	"	"	"	"	Diff.
0-6	877	814	84 4	69 8	534	45	WNW	9 6	"	"	"	"	2	
0-11	875	812	84 3	69 8	518	46	W	9 6	"	"	"	"	"	
0-16	875	812	84 3	69 8	518	46	W	9 6	1	Ci	"	"	"	Sky brilliant as before
0-21	874	811	84 2	70 0	544	46	W	9 6	1	Ci	"	"	3	
0-26	875	812	83 8	69 8	542	47	W	8 4	1	Ci	"	"	"	
0-31	874	811	83 8	69 8	542	47	WNW	4 8	2	Ci	E to W	"	"	A perceptible coolness in the atmosphere
0-36	872	809	83 3	69 2	536	46	W	4 8	2	Ci	E to W	"	"	
0-41	868	805	82 8	69 1	538	47	W	12 0	2	Ci	E to W	"	"	
0-46	868	805	81 9	68 9	533	49	W	6 0	2	Ci	E to W	"	4	
0-51	864	801	81 8	68 7	552	49	W	9 6	2	Ci	E to W	"	"	
0-56	864	801	81 3	68 4	521	48	W	7 2	2	Ci	E to W	"	"	
1-1	864	801	81 3	68 4	522	48	W	3 6	3	Ci	"	"	5	
1-6	864	801	80 0	67 8	517	50	W	4 8	3	Ci	"	"	"	
1-11	862	799	79 8	67 8	520	51	W	3 6	3	Ci	"	"	6	
1-16	862	799	79 8	67 6	513	50	W	4 8	4	Ci A Cu	"	"	7	
1-21	862	799	79 8	67 7	517	51	WSW	7 2	4	Ci A Cu	"	"	"	
1-26	860	797	80 3	68 2	529	51	WNW	3 6	5	Ci A Cu	"	"	"	
1-31	858	795	79 8	68 0	528	52	W	4 8	6	Ci A Cu	"	"	"	Atmosphere became still. Cattle went their way homewards just as if it was evening
1-36	858	795	80 3	68 0	521	50	WNW	6 0	8	Ci A Cu	"	"	8	
1-41	858	795	80 6	68 0	518	50	WNW	6 0	8	Ci A Cu	"	"	"	
1-46	858	795	81 3	68 8	537	50	W	6 0	9	Ci A Cu	"	"	"	
1-51	858	795	82 3	69 5	550	50	W	6 0	9	Ci A Cu	"	"	"	
1-56	866	803	83 8	70 0	549	47	W	8 4	9	Ci A Cu	"	"	"	
2-1	866	803	83 8	70 0	549	47	W	8 4	9	Ci A Cu	"	"	"	
2-6	854	791	83 9	70 1	552	47	W	8 4	9	Ci A Cu	"	"	"	
2-11	854	791	84 0	70 2	554	47	WNW	7 2	9	Ci A Cu	"	"	"	
2-16	852	789	85 0	70 0	560	49	W	9 6	9	Ci A Cu	"	"	"	
2-21	852	789	82 8	69 7	552	49	W	6 0	9	Ci A Cu	"	"	"	
2-26	852	789	83 3	70 0	556	48	W	8 4	9	Ci A Cu	"	"	"	
2-31	847	784	83 1	69 8	551	48	WNW	3 6	9	Ci A Cu	"	"	"	
2-36	847	784	83 8	70 1	553	48	W	3 6	9	Ci A Cu	"	"	"	
2-51	841	778	82 2	69 2	540	49	WSW	6 0	10	Ci S	"	"	"	The sun became wholly visible
2-56	841	778	82 7	69 4	541	48	W	4 0	10	Ci S	"	"	"	
3-1	841	778	82 7	69 8	536	50	W	4 0	10	Ci S	"	"	"	Overcast.
3-6	837	774	82 8	70 0	563	50	WNW	5 6	10	Ci S	"	"	"	
3-11	837	774	84 3	70 2	551	47	NW	9 6	9	A. Cu	"	"	"	
3-16	837	774	84 3	70 3	555	47	WNW	5 6	9	A. Cu	"	"	"	
3-21	837	774	83 8	70 8	567	50	W	9 6	7	A. Cu	"	"	"	Partially cloudy

No. 103. Lat. 29° 52' N.

ROORKEE.

Long. 77° 56' E.

Four hundred and sixty-eight miles from central line of totality. Greatest obscuration 8.

Hour.	BAROMETER.			Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	WIND.		Cloud proportion.	Proportion of eclipse, totality 10.	WEATHER AND OTHER REMARKS.
	Madras time.	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.					Direction.	Amount since preceding interval, in miles per hour.			
A.M.												
10-0	29°133	30°030	62.4	52.4	266	46	NW	...	NW	...	...	Fine weather.
10-15	133	1028	63.4	52.8	266	45	NW	10	"	...	...	Ditto.
10-30	130	1022	64.8	53.4	257	41	Calm	02	"	...	...	Ditto.
10-45	126	1018	65.4	54.0	265	42	Calm	03	"	...	...	Ditto.
11-0	126	1017	66.2	55.0	256	44	E	03	"	...	...	Ditto.
11-15	122	1012	66.7	55.0	250	42	Calm	0	"	...	...	Ditto.
11-30	118	1003	67.1	56.0	277	39	Calm	02	"	...	...	Ditto.
11-45	107	9990	69.3	56.6	292	41	Calm	02	"	...	...	Ditto.
12-0	103	983	70.9	56.8	277	37	Calm	02	"	...	...	Ditto.
P.M.												
0-15	099	977	72.3	57.6	282	36	Calm	06	"	...	...	Blue sky (the first contact at 0-10°12' P.M.) Fine weather and blue sky.
0-20	095	972	72.5	57.1	264	33	Calm	12	"	1	1	Ditto.
0-25	093	970	72.9	57.1	260	32	Calm	0	"	1	1	Ditto.
0-30	091	968	72.9	57.1	261	32	Calm	0	"	1	1	Ditto.
0-40	089	966	73.1	57.1	266	31	SSW	03	"	2	2	Ditto, light getting weak and dim.
0-50	087	961	74.1	58.3	250	33	Calm	04	"	3	3	Ditto, ditto.
0-55	080	953	74.1	58.5	256	35	W	12	"	4	4	Ditto, ditto.
1-0	080	953	73.9	58.1	277	33	Calm	05	"	4	4	Ditto, ditto.
1-5	078	951	73.8	58.1	278	33	Calm	0	"	5	5	Ditto, ditto.
1-15	076	949	73.8	58.4	286	34	Calm	02	"	6	6	Ditto, ditto, colour of the sky brownish.
1-20	074	949	73.3	58.3	287	35	Calm	0	"	7	7	Ditto, ditto, ditto.
1-25	078	953	72.8	57.9	283	35	Calm	0	"	7	7	Ditto, ditto, ditto.
1-30	071	946	72.5	58.1	291	37	Calm	0	"	8	8	Ditto, ditto.
1-35	069	946	72.3	58.1	247	35	Calm	0	"	8	8	Ditto, ditto.
1-40	069	946	72.1	58.3	306	39	Calm	0	"	8	8	Ditto, ditto.
1-45	069	947	71.5	57.9	301	40	Calm	0	"	7	7	Ditto, ditto.
1-50	067	943	71.3	57.5	263	35	NW	12	"	7	7	Ditto, ditto.
1-55	065	943	71.3	56.8	271	36	NW	12	"	6	6	Ditto, ditto.
2-0	065	943	71.5	56.8	269	35	NW	12	"	5	5	Ditto, ditto.
2-5	065	942	72.1	56.8	261	33	NW	24	"	4	4	Ditto. Began to get brighter and sky blue.
2-10	065	942	72.3	57.1	267	31	NW	36	"	3	3	Ditto, ditto.
2-15	065	941	72.5	57.1	264	33	NW	12	"	3	3	Ditto, ditto.
2-20	063	939	73.1	57.1	256	31	NW	24	"	2	2	Ditto, ditto.
2-25	063	935	73.3	57.1	254	31	NW	48	"	1	1	Weather fine, sky blue.
2-30	059	931	73.7	57.1	248	29	NW	36	"	1	1	Ditto.
2-40	063	935	74.3	57.1	241	28	NW	12	"	1	1	Ditto.
2-45	061	935	74.6	57.3	243	28	NW	12	"	1	1	Ditto.
2-50	063	935	74.6	57.3	243	28	NW	0	"	1	1	Ditto.
2-55	065	936	75.1	57.9	251	29	NW	24	"	...	...	Ditto. Eclipse terminated. (Last contact at 2-51°45' P.M.)
3-10	061	931	75.3	58.1	258	29	NW	24	"	...	...	Fine clear sky.
3-25	063	933	75.3	57.9	250	28	NW	16	"	...	...	Ditto.
3-40	069	939	75.3	58.0	251	29	NNW	48	"	...	...	Ditto.
4-0	073	944	75.1	57.9	258	29	NNW	30	"	...	...	Ditto.

No. 104. Lat. 11°39' N.

SALEM.

Long. 78°12' E.

Four hundred and eighty miles from central line of totality. Greatest obscuration 8.

Hour.	BAROMETER		Dry bulb corrected.	Wet bulb rected.	Aqueous vapour pressure.	Relative humidity.	WIND.		CLOUD.		Proportion of obscuration, totality to.	WEATHER AND OTHER REMARKS
	Corrected and reduced to 30° F.	Reduced to sea-level and constant gravity.					Direction.	Amount since preceding interval, in miles per hour.	Proportion.	Kind.		
A.M.	"	"	"	"	"	%						
10-8	29.086	29.976	77.7	70.9	.666	70	E	...	9	S. Cu.	...	The sky was almost covered by strato-cumulus and the neighbourhood of the sun by alto-stratus clouds.
10-23	.085	.973	76.5	69.7	.607	61	ENE	7.2		S. Cu.	...	
10-38	.083	.971	76.6	69.7	.607	61	ENE	7.6		S. Cu.	...	
10-53	.081	.967	79.4	70.4	.624	61	ENE	6.0		S. Cu.	...	
11-8	.077	.963	79.0	70.7	.612	62	ENE	3.6		S. Cu.	...	
11-23	.075	.958	80.8	69.9	.585	56	ENE	7.6		S. Cu.	...	
11-38	.071	.955	80.5	70.3	.606	57	ESE	7.2		S. Cu.	...	
11-53	.066	.948	81.6	71.5	.638	60	ESK	9.2		A. S. & S. Cu.	...	
11-58 P.M.	.064	.945	81.3	71.7	.643	60	ENE	6.4		A. S. & S. Cu.	1	
0-3	.062	.943	81.9	71.8	.646	60	ENE	8.4		A. S. & S. Cu.	...	Daylight dimming and sky looking more and more yellow.
0-8	.060	.939	82.5	71.9	.641	58	ENE	9.6		A. S. & S. Cu.	2	
0-13	.058	.937	82.5	71.8	.637	57	ESK	9.6		A. S. & S. Cu.	...	
0-18	.056	.935	82.3	71.7	.637	58	ENE	7.2		A. S. & S. Cu.	3	
0-23	.052	.932	82.1	71.9	.646	59	ESE	7.2		A. S. & S. Cu.	...	
0-28	.052	.932	82.0	71.8	.644	59	ESE	4.8		A. S. & S. Cu.	4	
0-33	.050	.932	81.7	71.7	.641	60	E	4.8		A. S. & S. Cu.	...	
0-38	.048	.929	81.3	71.7	.650	61	SE	8.4		A. S. & S. Cu.	5	
0-43	.046	.927	81.3	71.8	.653	61	E	7.2		A. S. & S. Cu.	...	
0-48	.044	.926	81.2	71.8	.653	61	SSK	10.8		A. S. & S. Cu.	6	
0-53	.044	.926	81.2	71.9	.658	61	ESE	6.0		A. S. & S. Cu.	...	
0-58	.040	.922	81.2	71.8	.653	61	E	6.0		A. S. & S. Cu.	?	
1-3	.035	.917	81.1	71.7	.650	61	NE	7.2		A. S. & S. Cu.	...	
1-6	.036	.920	80.3	71.7	.663	64	ESE	4.8		A. S. & S. Cu.	8	Between 1-6 P.M. and 2-08 P.M. the sun was completely hidden under clouds.
1-13	.032	.916	80.2	71.6	.661	64	ESE	8.4		A. S. & S. Cu.	?	
1-18	.032	.916	79.9	71.5	.659	64	ESE	9.6		A. S. & S. Cu.	?	
1-23	.032	.917	79.5	71.4	.662	66	ENE	9.6		Cu. N. & S. Cu.	?	
1-28	.030	.915	79.3	71.5	.668	67	ESE	6.0		Cu. N. & S. Cu.	?	
1-33	.026	.912	79.1	71.5	.671	68	ENE	12.0		Cu. N. & S. Cu.	?	
1-38	.024	.911	78.6	71.6	.682	70	ENE	10.8		Cu. N. & S. Cu.	?	Heavy masses of cumulus clouds caused very slight drizzling for 3 minutes. The quantity received was less than half a cent.
1-43	.024	.911	78.5	71.7	.687	71	ENE	13.2		Cu. N. & S. Cu.	?	
1-48	.024	.911	78.4	71.6	.685	71	ENE	7.2		Cu. N. & S. Cu.	?	
1-53	.025	.912	78.3	71.6	.686	71	ENE	9.6		Cu. N. & S. Cu.	?	
1-58	.023	.911	78.2	71.6	.688	72	ENE	6.0		Cu. N. & S. Cu.	?	
2-3	.021	.909	78.1	71.5	.685	72	ENE	7.2		S. Cu.	?	
2-8	.021	.909	78.0	71.5	.686	72	ENE	6.0		S. Cu.	?	
2-13	.019	.906	78.0	71.5	.686	72	ENE	12.0		S. Cu.	?	
2-18	.017	.903	78.3	71.6	.686	73	ENE	6.4		S. Cu.	?	
2-23	.015	.901	78.5	71.7	.687	73	ENE	7.2		S. Cu.	?	
2-28	.013	.898	78.7	71.8	.687	70	ENE	9.6		S. Cu.	?	
2-33	.013	.898	78.8	71.8	.687	70	ENE	7.2		S. Cu.	?	
2-38	.011	.896	79.0	71.9	.688	70	CNE	10.6		S. Cu.	...	The sun is again visible, eclipse ended, and sun as usual.
2-53	.011	.897	78.5	71.6	.682	70	ENE	4.4		S. Cu.	...	
3-8	.007	.893	78.6	71.6	.682	70	ESE	3.6		S. Cu.	...	
3-23	.011	.896	78.8	71.7	.684	60	ESE	4.4		S. Cu.	...	
3-38	.011	.897	78.7	71.8	.686	61	ESE	4.4		S. Cu.	...	
3-53	.011	.897	78.5	71.6	.683	61	ENE	3.2		S. Cu.	...	
4-8	.013	.897	79.3	71.6	.683	63	ENE	3.2		S. Cu.	...	

Four hundred and eighty-two miles from central line of totality. Greatest obscuration 8.

Hour.	Barometer.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind.		Cloud.				Weather and other remarks.
	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.					Direction.	Amount since preceding interval, in miles per hour.	Proportion.	Kind.	Direction of motion.	Proportion of eclipse, totality to.	
A.M.						%							
9-14	29.993	30.036	71.0	67.2	.616	81	NNE	...	NH	...	...	...	Heavy haze extending from NW to N E.
9-29	.994	.032	72.0	67.1	.599	76	E	5.2	"	...	...	...	Ditto
9-44	.991	.028	74.7	68.8	.625	72	SE	3.2	"	...	...	...	Sun dark-red colour.
9-59	.986	.023	75.5	68.9	.620	71	E	2.3	"	...	...	...	Ditto
10-14	.982	.019	76.4	69.0	.610	67	E	2.8	"	...	...	...	Ditto
10-29	.972	.009	77.3	69.9	.613	67	SE	6.0	"	...	...	...	Ditto
10-44	.967	.003	78.8	70.0	.681	66	S	4.4	"	...	...	...	Ditto
10-59	.961	29.997	78.5	71.0	.662	68	ESE	4.8	"	...	...	...	Ditto
11-14	.953	.989	78.8	69.8	.609	61	SE	4.0	"	...	...	...	Ditto
11-29	.940	.976	80.1	71.1	.636	62	SSE	5.2	1	Cl. S.	N to S	...	Ditto
11-44	.936	.972	80.2	71.9	.672	65	NE	2.8	3	Cl. Cl. S.	N to S	...	Ditto
11-59	.926	.962	80.3	69.9	.586	55	SSC	3.2	3	Cl. S.	N to S	...	Ditto
P.M.													
0-14	.916	.952	81.3	71.0	.622	58	ESE	9.6	2	Cl. to S.	N to S	...	Ditto
0-29	.912	.948	80.9	70.7	.615	59	SE	2.0	2	Cl. S.	NW to SE	1	
0-44	.907	.943	79.8	70.2	.611	60	SE	4.8	2	Cl. S.	NW to SE	2	
0-51	.907	.943	80.5	71.0	.632	60	SSW	24.9	3	Cl. S.	NW to SE	3	
1-1	.905	.941	80.2	70.7	.625	60	SE	12.6	3	Cl. S.	W to E	3	
1-10	.903	.939	79.6	70.4	.621	61	SE	8.0	3	Cl. S.	W to E	3	
1-19	.899	.935	78.7	70.1	.622	63	S	2.0	NH	...	...	4	
1-26	.899	.935	78.4	72.9	.736	76	NW	1.7	"	...	...	5	Horizon still hazy from NNW to N E.
1-39	.896	.933	77.4	72.3	.726	77	WSW	5.1	"	...	...	...	Heavier haze to N.
1-49	.894	.931	76.1	71.7	.718	80	WNW	7.2	"	...	...	7	"
1-54	.894	.931	75.4	71.1	.705	80	WSW	6.0	"	...	...	7	North clearer, SE and SW clear.
2-4	.897	.934	75.0	71.4	.722	83	W	2.4	"	...	...	5	Eclipse began to diminish.
2-16	.893	.930	75.2	71.6	.728	83	W	6.0	"	...	...	4	
2-26	.893	.930	75.5	71.0	.700	79	WNW	4.2	"	...	...	3	
2-36	.891	.928	75.9	70.4	.671	75	WNW	4.2	"	...	...	2	
2-46	.889	.926	76.8	70.9	.678	73	NW	3.6	"	...	...	1	" very slightly observable.
2-59	.887	.924	76.4	71.0	.687	75	W	5.1	"	...	...	...	Clear.
3-14	.891	.928	76.8	71.1	.688	75	W	2.8	"	...	...	...	"
3-29	.893	.930	76.2	70.1	.655	73	WNW	4.8	"	...	...	...	"

No 106 Lat 30° 30' N

DEHRA DUN.

Long 78° 8' E

Four hundred and eighty five miles from central line of totality Greatest obscuration 8

Hour	Barometer		Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure	Relative humidity	Wind		Cloud possibilities	Proportion of obscuration to totality	Weather and other remarks
	Corrected and reduced to 32° F	Reduced to sea level and constant gravity					Direction	Amount as measured on scale and in miles per hour			
A M	"	"	"	"	"	%					
10-0	27.759	30.015	64.2	52.7	258	43	SW		Nil		
10 15	759	013	64.8	52.5	245	40	SW		"		
10 30	758	005	66.3	53.3	248	38	SW		"		
10 45	760	29.993	68.5	54.3	249	35	SW		"		
11 0	758	991	69.6	54.3	234	33	SW	1	"		
11 15	754	980	70.9	54.3	219	29	SW		"		
11 30	748	970	71.7	54.4	211	26	SW	2	"		
11 45	740	959	72.2	53.8	187	24	SW		"		
12-0	737	954	72.6	54.4	200	25	SW	2	"		
P M											
0-15	732	947	73.0	55.2	217	26	SW				First contact at about 0-15 P M
0-20	727	937	74.1	55.5	212	26	SW		"		
0-25	725	935	74.2	55.3	206	24	SW			1	
0-30	722	935	73.6	54.3	185	21	SW	2	"		
0-35	721	931	74.0	54.4	183	21	SW		"		
0-45	719	933	73.0	54.2	189	23	SW			2	
0-50	714	926	73.5	55.3	214	26	SW	2			
1 0	713	927	73.0	55.1	214	26	SW			5	
1 5	710	925	72.7	55.2	221	27	SW				Light assuming a dull pale colour
1 15	709	929	71.5	54.2	208	26	SW	4		6	
1 20	707	929	70.9	54.6	226	30	SW		"	7	
1 30	707	932	70.2	55.1	250	34	SW	4		8	
1 35	707	933	70.0	55.3	258	35	SW		"	9	
1-45	707	937	69.2	55.3	266	37	SW		"		
1 50	707	937	69.3	56.2	291	41	SW		"		
2 0	707	938	68.9	55.6	279	40	SW	4			
2 5	707	941	68.2	54.4	254	36	SW				
2 10	709	943	68.3	54.4	252	36	SW		"		
2 15	711	944	68.7	54.5	252	36	SW		"		Light beginning to recover to brightness
2 20	714	946	69.1	55.1	263	37	SW				
2 25	714	941	69.5	55.9	280	39	SW	24	"		
2 30	711	949	68.3	54.4	252	36	SW				
2 35	714	949	68.2	54.2	249	36	SW	6			
2 40	714	945	69.2	55.2	264	37	SW				
2-45	715	947	68.9	55.0	261	37	SW		"		
2 50	715	947	69.1	55.3	268	37	SW		"		
2 55	715	945	69.6	55.7	272	38	SW		"		Last contact
3 0	716	947	69.3	55.0	257	36	SW	24	"		Eclipse over
3 15	720	950	69.7	55.4	263	36	SW	4	"		
3 30	721	956	68.6	54.9	264	36	SW	4	"		
3 45	723	957	68.8	55.3	272	38	SW		"		
4-0	723	959	68.3	55.6	286	41	SW	6	"		

No. 107. Lat. $25^{\circ} 55' N$.

PACHPADRA.

Long. $72^{\circ} 18' E$.

Five hundred and five miles from central line of totality. Greatest obscuration 8.

Hour.	BAROMETER.			Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind.		Cloud.		Proportion of eclipse, totality to.	WEATHER AND OTHER REMARKS.
	Corrected and reduced to $32^{\circ} F$.	Reduced to sea-level and constant gravity.						Direction.	Amount since preceding interval, in miles per hour.	Kind.	Direction of motion.		
A.M.							%						
10-32	29.713	30.064	72.0	55.3	118	28	E	...	...	Cl.	WNW to ESE	...	
10-47	714	062	74.6	54.5	161	19	ESE	9.2	...	Cl.	NNE to SSW	...	
11-2	709	057	76.2	55.5	168	20	ESE	7.6	...	Cl.	NNE to SSW	...	
11-17	704	051	77.2	56.0	169	18	ESE	8.4	...	Cl.	NW to SE	...	
11-32	704	050	78.4	56.5	166	18	E	5.2	...	...	...	...
11-47	700	044	79.2	55.9	140	14	ESE	7.2	...	...	...	...
P.M.													
0-2	697	039	81.4	57.7	164	16	ESE	10.0	...	...	...	...
0-12	693	034	82.1	57.3	142	12	ESE	9.6	...	...	...	...	Eclipse commenced from south-west; sky close; hazy horizon.
0-17	692	032	82.5	57.7	149	13	ESR	2.4	...	...	...	...
0-22	689	030	83.0	58.2	157	13	ESE	4.8	...	...	...	1	
0-27	683	024	82.4	58.2	166	15	ESE	4.8	...	...	...	2	
0-32	682	023	83.0	58.2	157	13	ESE	9.6	...	...	...	...
0-37	681	022	83.1	58.0	150	13	ESE	9.6	...	...	...	3	
0-42	679	020	83.0	58.2	157	13	ESE	3.6	...	...	...	...	Immediate neighbourhood of sun was reddish.
0-47	678	019	83.4	59.0	175	15	ESE	7.2	...	...	...	4	
0-52	670	010	82.6	58.2	161	14	ESE	7.2	...	...	...	4	
0-57	670	011	82.4	58.2	166	15	ESE	6.0	...	...	...	...
1-2	670	010	82.6	58.1	160	14	ESE	6.0	...	...	...	5	Sun was surrounded by a red band fading into pink. Sun light dim.
1-7	670	010	82.5	58.0	158	14	ESR	4.8	...	...	...	...
1-12	670	010	82.4	58.1	162	14	SE	7.2	...	...	...	6	
1-17	650	29.991	82.1	58.2	168	15	SE	4.8	...	...	...	7	Sky grey.
1-22	640	080	82.0	57.6	151	14	SE	1.2	...	...	...	8	
1-27	630	070	82.1	57.3	142	12	SE	8.4	...	Cl.	W to E	...	
1-32	630	070	82.2	57.3	140	12	SE	4.8	...	Cl.	SW & E to NE & NW	...	
1-37	630	070	81.9	57.2	142	13	SE	4.8	...	Cl.	SE to NW	6	
1-42	620	060	81.9	57.2	142	13	SE	4.8	...	Cl.	...	...
1-47	620	060	82.0	57.5	150	14	SE	3.6	...	Cl.	...	5	Blue grey sky, day-light increasing.
1-52	620	060	82.0	57.7	155	14	SE	8.4	...	Cl.	...	...
1-57	620	060	82.2	57.6	150	14	SE	2.4	...	Cl.	...	4	
2-2	620	060	82.1	58.1	166	15	SE	3.6	...	Cl.	...	...
2-7	620	060	82.1	58.2	168	15	SE	1.2	...	Cl.	...	3	
2-12	619	059	83.0	58.5	167	15	SE	2.4	...	Cl.	...	2	Sun resumed its full brilliancy.
2-17	617	057	83.1	59.0	181	16	SE	3.6	...	Cl.	...	...
2-22	617	056	84.2	61.3	237	20	SE	1.2	...	Cl.	...	1	
2-27	617	056	84.1	60.2	204	17	SE	2.4	...	Cl.	SW to NE	...	
2-32	617	056	84.1	60.3	208	17	SE	1.2	...	Cl.	...	0.5	
2-37	617	056	84.1	59.5	183	16	SE	2.4	...	Cl.	...	...
2-42	651	090	84.4	59.6	182	15	SE	1.2	...	Cl.	...	...
2-47	656	093	84.6	59.5	173	14	SE	0	...	Cl.	...	...
2-51	658	096	86.2	61.0	202	16	SE	3.0	...	Cl.	...	...	Eclipse terminated.
3-2	660	097	87.1	60.2	165	12	SE	3.5	...	Cl.	...	...
3-17	664	30.001	87.0	61.1	193	15	SW	5.6	...	Cl.	...	...
3-32	663	000	87.1	60.3	168	12	SW	2.4	...	Cl.	...	...
3-47	659	29.995	87.9	61.5	195	15	SW	3.6	...	Cl.	...	...
4-2	617	053	87.8	61.3	191	15	SW	1.6	...	Cl.	...	...
4-17	625	062	86.2	60.2	177	14	SW	4.0	...	Cl. & A.Cu.	NNW to SSE	...	
4-32	623	059	87.1	61.5	207	17	SW	2.4	...	...	...	...

MUSSOOREE.

Long. 78° 7' E.

Five hundred and five miles from central line of totality. Greatest obscuration 8.

Hour.	Baromet. corrected and reduced to 32° F.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind.		Colour.		Proportion of eclipse; totality 10.	Weather and other remarks.
						Direction.	Force.	Proportion.	Kind.		
A.M.					%						
10-0	23.617	54.3	39.8	.097	23	E		Nil	...	...	Clear, blue sky throughout.
10-15	.631	54.8	39.8	.092	22	ESE		"	...	...
10-30	.631	54.8	39.8	.092	22	SE		"	...	...
10-45	.633	57.3	45.7	.188	40	E		"	...	...
								"	
11-0	.629	57.3	45.7	.188	40	E		"	...	...
11-15	.621	56.3	45.7	.199	44	E		"	...	...
11-30	.623	56.3	45.7	.199	44	E		"	...	...
11-45	.621	56.3	45.7	.199	44	E		"	...	...
12-0	.617	56.3	45.7	.199	44	E		"	...	...
P.M.											
0-15	.623	56.3	45.7	.199	44	E		"	...	...
0-20	.623	56.8	45.7	.193	42	E		"	...	1	
0-25	.623	57.8	45.7	.183	39	E		"	...	1	
0-30	.623	57.8	45.7	.183	39	E		"	...	2	
0-35	.615	56.8	45.7	.193	42	E		"	...	2	
0-40	.613	56.8	45.7	.193	42	E		"	...	3	
0-45	.613	56.3	45.7	.199	44	E		"	...	3	
0-50	.613	56.3	45.7	.199	44	E		"	...	3	
0-55	.613	56.3	44.7	.177	39	E		"	...	4	
								"	...	4	
1-0	.601	56.3	44.7	.177	39	E		"	...	4	
1-5	.599	54.3	44.7	.198	47	E		"	...	4	
1-10	.595	54.3	44.7	.198	47	E		"	...	4	
1-15	.595	53.3	43.7	.187	46	E		"	...	4	
1-20	.597	53.3	43.7	.187	46	E		"	...	5	
1-25	.591	52.8	43.7	.192	48	E		"	...	5	
1-30	.591	52.8	42.7	.171	43	E		"	...	6	
1-35	.591	52.8	42.7	.171	43	E		"	...	7	
1-40	.591	52.3	42.7	.176	45	E		"	...	7	
1-45	.583	52.3	42.7	.176	45	E		"	...	7	
1-50	.583	51.8	42.7	.181	47	E		"	...	8	
1-55	.587	51.8	43.7	.203	53	E		"	...	8	
								"	...	7	
2-0	.589	51.8	43.7	.202	53	E		"	...	6	
2-5	.583	51.8	43.7	.202	53	E		"	...	5	
2-10	.583	51.8	43.7	.202	53	E		"	...	4	
2-15	.585	51.3	43.7	.207	55	E		"	...	3	
2-20	.585	51.3	43.7	.207	55	E		"	...	2	
2-25	.579	51.3	43.7	.207	55	E		"	...	2	
2-30	.581	51.3	43.7	.207	55	E		"	...	2	
2-35	.581	51.3	43.7	.207	55	E		"	...	2	
2-40	.579	51.3	43.7	.207	55	E		"	...	1	
2-45	.565	51.3	43.7	.207	55	E		"	...	1	
2-50	.565	51.3	43.7	.207	55	E		"	...	1	
2-55	.569	51.3	43.7	.207	55	E		"	...	1	
								"	...	0	
3-0	.575	50.3	43.7	.218	60	E		"	...	...
3-15	.573	50.3	43.7	.218	60	E		"	...	...
3-30	.575	51.3	44.7	.229	60	E		"	...	...
3-45	.585	51.3	44.7	.229	60	E		"	...	...
4-0	.579	51.3	43.7	.207	55	E		"	...	...

No 109. Lat. $23^{\circ} 46' N$.

KINDAT.

Long. $94^{\circ} 33' E$.*Five hundred and twenty-eight miles from central line of totality. Greatest obscuration 8.*

Hour.	BAROMETER,*	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	WIND.		Cloud proportion.	Proportion of eclipse, totality to.	WEATHER AND OTHER REMARKS.
						Direction.	Amount since preceding interval, in miles per hour.			
Madras time.	Corrected and reduced to $32^{\circ} F$.									
A.M.	"	"	"	"	%					
9-2	29.620	62.1	60.6	510	92	SSW	...	NH	...	Ca. n. clouds in SW moving southwards, greyish white. Weather fine and clear.
9-17	617	63.5	61.5	521	89	S	0	"	...	Ditto.
9-32	616	63.9	61.7	523	88	SSE	0.4	"	...	Ditto. Small clouds arising NW moving N., pale coppery.
9-47	620	64.5	62.5	541	89	NW	0.4	"	...	Ditto. ditto.
10-2	650	68.3	64.1	544	78	SE	0.4	"	...	Ditto. ditto.
10-17	646	70.1	64.7	540	73	E	0	"	...	Ditto. ditto.
10-32	637	71.3	65.3	545	71	E	0.4	"	...	Cloud amount $\frac{1}{2}$. Sky clear, western clouds spreading coppery. Weather fine and clear.
10-47	627	72.3	65.3	532	67	WNW	0.4	"	...	Cloud amount $\frac{1}{2}$ greyish white moving SW. Weather fine, and clear, western clouds moving north-west.
11-2	616	73.1	66.1	549	67	Calm.	0	"	...	Weather fine and clear. Clouds spreading and becoming thinner.
11-17	611	74.0	66.3	544	64	WNW	0.8	"	...	S. cu. clouds to E moving SE, very small. Weather fine and clear.
11-32	600	75.0	66.7	545	63	NW	0	"	...	Clouds in W moving upwards to NE. Weather fine and clear.
11-47 P.M.	594	75.3	67.1	552	62	NE	0.4	"	...	Wind variable. Clouds as above and weather fine.
0-2	588	76.7	67.3	544	39	N	0.4	"	...	Ditto.
0-17	570	77.3	67.5	541	58	N	0.4	"	...	Ditto.
0-32	565	77.8	68.1	562	59	NW	0	"	...	Ca. s. small, SW to NNE.
0-47	555	77.7	68.1	560	59	W	0.4	"	...	Weather fine and clear. Eclipse commencing at 0-51 P.M. SW of sun.
0-52	541	78.5	68.1	548	56	NW	1.2	"	...	
0-57	506	78.5	68.1	548	56	NW	0	"	...	
1-2	512	78.5	66.6	494	51	NNE	1.2	1	...	A. cu. cloud.
1-7	508	78.1	65.3	462	48	WNW	1.2	1	...	Sun losing brilliancy.
1-12	508	77.9	65.6	467	49	N	0	1	2.5	Fine clear weather, sun hazy.
1-17	508	77.9	65.9	478	50	NW	0	1	...	
1-22	508	77.9	65.9	478	50	W	0	1	3	Sunshine mild, dusky.
1-27	502	77.9	66.9	514	54	W	0	NH	...	
1-32	501	78.1	67.5	533	56	Calm.	1.2	"	5	Daylight diminished so as to resemble twilight.
1-37	499	77.9	66.3	493	52	NE	0	"	...	
1-42	499	78.0	66.3	491	51	NNE	0	"	6	
1-47	499	76.9	66.5	512	55	N	1.2	"	8	Brightness of the sun diminished.
1-52	499	77.0	67.1	532	57	NNE	0	"	...	
1-57	499	77.0	67.1	532	57	Calm.	0	"	8	
2-2	499	77.0	67.1	532	57	Calm.	1.2	"	...	
2-7	497	76.1	67.3	552	61	W	0	"	7.5	Misty.
2-12	495	76.1	67.3	552	61	NNW	0	"	...	Fine, clear weather.
2-17	496	76.1	67.3	552	61	Calm.	0	"	...	
2-22	496	76.1	67.7	566	62	W	1.2	"	6	
2-27	494	76.1	68.1	581	64	W	1.2	"	5	
2-32	494	76.3	68.1	579	63	Calm.	0	"	3	
2-37	494	76.5	68.1	578	62	Calm.	0	"	...	
2-42	494	76.7	68.1	573	62	Calm.	0	"	...	
2-47	494	76.9	68.3	576	62	Calm.	0	"	1	
2-52	493	77.1	68.3	575	61	Calm.	0	"	...	
2-57	493	77.3	68.7	588	63	Calm.	0	"	...	
3-2	493	77.3	68.7	588	63	W	1.2	1	0.6	Fine weather with passing clouds.
3-7	493	77.3	68.7	588	63	Calm.	1.2	1	0.5	A. cu. clouds.
3-12	493	77.5	68.1	562	59	Calm.	0	1	0.3	
3-16	493	77.7	68.1	560	59	W	1.5	1	...	Eclipse terminated. Fine clear weather.

* Barometrical readings are doubtful.

No. 110. Lat. 29° 32' N.

SIRSA.

Long. 75° 6' E.

Five hundred and sixty-eight miles from central line of totality. Greatest obscuration 8.

Hour.	Barometer.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind.		Kind of cloud.	Proportion of eclipse, totality so.	Weather and other remarks.
	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.					Direction.	Amount since preceding interval, in miles per hour.			
A.M.	"	"	"	"	"	%					
10-0	29.373	30.052	64.6	53.2	256	41	SW	...	Cl.	...	Clear weather.
10-10	393	051	66.2	53.7	249	39	SW	06	"	...	Ditto.
10-20	397	051	68.5	55.0	255	37	NW	06	"	...	Ditto.
10-30	399	052	69.4	55.1	246	34	W	06	"	...	Ditto.
10-40	400	052	70.0	55.3	244	33	WSW	1.2	"	...	Ditto.
10-50	400	051	71.2	55.6	237	32	NW	1.8	"	...	Ditto.
11-0	396	044	72.7	56.3	237	29	W	1.8	"	...	Ditto.
11-10	396	044	72.9	56.4	236	29	WSW	1.8	"	...	Ditto.
11-20	391	038	73.7	56.3	224	26	WSW	3.0	"	...	Ditto.
11-30	389	035	74.7	56.3	211	24	NW	3.6	"	...	Ditto.
11-40	385	029	75.9	57.2	221	25	W	4.2	"	...	Ditto.
11-50	380	024	75.8	57.2	223	25	NW	5.4	"	...	Ditto.
12-0	376	019	76.8	57.4	215	23	W	5.4	"	...	Ditto.
P.M.											
0-10	376	019	77.4	57.8	220	24	W	5.4	"	1	Light yellowish in colour.
0-20	371	013	77.4	58.0	225	24	WSW	4.8	"	2	Ditto.
0-30	367	008	77.8	57.1	194	21	SW	6.0	"	3	Ditto.
0-40	357	29.998	77.7	57.0	192	21	SW	3.0	"	4	Ditto.
0-52	355	997	77.3	57.0	197	21	W	4.8	"	4	Ditto.
1-2	351	993	77.1	57.1	203	22	WNW	4.9	"	5	
1-13	351	993	76.8	56.6	192	21	NW	6.0	"	6	
1-20	351	993	76.8	56.6	192	22	W	4.5	"	7	
1-32	342	985	76.4	56.9	206	23	W	4.5	"	8	Appearance as if sun-set were approaching.
1-40	337	980	76.4	56.5	194	22	W	3.5	"	7	Ditto.
1-52	326	968	76.8	57.6	222	24	W	5.3	"	5	Light yellowish.
2-0	322	963	77.0	57.3	210	23	WNW	4.9	"	4	Ditto.
2-11	322	962	77.8	57.3	199	21	WNW	5.3	"	3	Ditto.
2-20	322	960	78.8	58.1	210	22	W	4.8	"	2	Ditto.
2-30	326	965	79.0	58.0	204	21	SW	4.8	"	1	Ditto.
2-40	326	963	79.9	58.1	196	19	W	4.8	"	...	Sun clear.
2-55	326	963	79.8	58.0	194	19	SW	4.2	"	...	Weather clear.
3-5	324	960	80.0	59.4	224	23	NNW	2.3	"	...	Ditto.
3-20	322	959	80.0	58.2	197	19	NNW	3.4 (F)	"	...	Ditto.
3-30	328	965	80.9	59.5	225	22	SW	2.6	"	...	Clear.
3-44	324	961	80.2	58.8	213	21	NNW	6.0	"	...	Ditto.
3-53	323	...	...	...	...	...	W	...	"	...	Ditto.

No. 111. Lat. 27° 59' N.

BICKANEER.

Long, 73° 4' E.

Five hundred and seventy miles from central line of totality. Greatest obscuration 8.

Hour.	BAROMETER.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	WIND.		Cloud, kind and proportion.	WEATHER AND OTHER REMARKS.
	Madras time.	Corrected and reduced to 32° F.	Related to sea-level and constant gravity.				Direction.	Amount since preceding interval, in miles per hour.		
A.M.						%				
10-25	29.299	30.060	68.8	54.0	224	31	NW	—	Nil	
10-43	300	30.0	69.8	55.4	240	34	NW	13.2	"	
10-55	301	30.5	72.0	56.2	247	31	NW	12.4	"	
11-13	302	30.7	73.1	57.2	258	31	NW	12.4	"	
11-25	297	30.0	74.6	58.3	272	31	NW	4.8	"	
11-43	290	30.1	75.6	58.4	262	29	NW	4.8	"	
11-55	236	30.5	76.6	59.0	267	29	NW	3.2	"	
P.M.										
0-13	279	30.6	77.6	59.4	266	28	Calm	2.8	"	
0-26	275	30.2	78.2	59.4	258	26	NW	3.2	"	
0-18	275	30.2	78.2	59.4	258	26	Calm	3.0	"	
0-33	273	30.19	78.6	59.6	250	27	NW	3.6	"	
0-38	273	30.19	78.6	59.8	266	27	Calm	1.2	"	
0-43	269	30.15	78.6	60.0	272	28	Calm	0	"	
0-48	254	30.10	78.6	60.2	278	28	Calm	0	"	
0-53	262	30.08	78.6	60.2	278	28	NW	26.4	"	
0-58	260	30.06	78.6	60.2	278	28	Calm	0	"	
1-3	260	30.06	78.6	60.2	278	28	Calm	0	"	
1-8	257	30.02	78.8	60.4	278	28	NW	2.4	"	
1-13	252	29.997	78.4	60.0	274	28	Calm	0	"	
1-18	250	29.95	78.4	60.2	281	29	NW	1.2	"	
1-23	248	29.93	78.6	60.0	272	28	NW	2.4	"	
1-28	246	29.91	78.6	60.2	278	28	Calm	0	"	
1-33	242	29.87	78.6	60.0	272	28	Calm	1.2	"	
1-38	239	29.84	78.6	60.0	272	28	NW	1.2	"	
1-43	237	29.82	78.4	59.6	262	27	Calm	1.2	"	
1-48	237	29.82	78.4	59.6	262	27	Calm	0	"	
1-53	231	29.78	78.4	60.2	281	29	Calm	0	"	
1-58	231	29.76	78.6	60.2	278	28	NW	1.2	"	
2-3	229	29.74	78.4	60.0	274	28	Calm	1.2	"	
2-8	223	29.74	78.4	60.2	281	29	Calm	0	"	Cu. in SW horizon.
2-13	229	29.75	78.0	59.2	255	26	Calm	0	"	Cu.
2-18	228	29.74	77.6	59.2	260	27	Calm	0	"	Cu.
2-23	227	29.72	78.4	59.6	262	27	NW	0	"	Cu. Ditto
2-28	225	29.70	78.4	59.2	249	26	NW	1.2	"	Cu.
2-33	223	29.67	78.6	59.2	246	25	NW	2.4	"	Cu.
2-38	222	29.66	78.6	59.6	253	27	Calm	1.2	"	Cu. N. Ditto.
2-43	219	29.62	79.0	60.2	271	27	Calm	0	"	Cu. N.
2-48	219	29.61	79.6	60.2	267	26	NW	1.2	"	Cu. N.
2-53	220	29.62	80.0	60.2	262	26	NW	4.8	"	Cu. N.
2-58	220	29.61	80.4	60.4	260	25	NW	3.6	"	Cu. N.
3-3	214	29.54	80.9	60.2	251	24	NW	27.6	"	Cu. N.
3-8	215	29.51	81.7	60.8	255	24	NW	3.6	"	Cu. N.
3-13	207	29.46	81.7	60.2	269	25	NW	3.6	"	Cu. N.
3-18	205	29.44	81.9	60.4	273	25	WSW	12.0	"	Cl. S.
3-43	211	29.50	82.1	60.0	289	26	WSW	15.2	"	Cl.
3-53	214	29.51	82.1	60.4	270	25	WSW	6.0	"	Cl.
4-13	218	29.57	82.3	60.8	280	26	WSW	8.8	"	Cu. N. in SW horizon.
4-28	218	29.56	82.5	62.2	299	26	WSW	3.2	"	Cu. N.

Five hundred and seventy-eight miles from central line of totality Greatest obscuration 8.

Hour.	Barometer	Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure.	Relative humidity.	Wind		Cloud.		Proportion of eclipse, totality 10.	Weather and other remarks
						Direction.	Amount, mean preceding interval, in miles per hour.	Kind	Direction of motion		
A.M.											
4-53	29.655	61.4	58.3	.408	67	NNW	...	Cl. Cu	S to N		Weather fine and clear, sky blue with scattered whitish brown cloudlets.
5-8	61.8	60.2	60.1	.440	68	NW	4.0	Cl. Cu	NE to SW		Do. do.
9-23	64.2	68.5	60.3	.416	60	E	2.8	A. Cu	W to E		Weather fine and clear; sky blue, clouds sparsely scattered and greyish.
9-38	63.6	70.5	60.1	.381	51	NE	16.4	A. Cu.	W to E		Do. do. clouds moving rapidly.
9-53	62.8	71.1	59.5	.356	47	NE	12.8	A. Cu	E to S		
10-8	62.1	72.3	60.1	.358	46	NE	6.4	Cl.	W to E		Do. clouds turning which clouds scattered and clearing towards E clouds here and there.
10-23	61.7	71.5	59.1	.337	43	N	8.4	Cl.	SW to NE		
10-38	61.0	72.5	60.5	.369	46	N	4.8	Cl.	...		
10-53	60.2	72.9	60.1	.351	43	NE	4.0	Cl.	..		
11-8	60.0	74.1	60.9	.362	43	NE	4.4	Cl. S.	.		Sky clear and blue.
11-23	59.1	74.1	62.5	.399	47	E	3.2	Cu.	...		Clouds very low and collecting towards N.
11-38	59.1	75.1	62.5	.399	46	N	4.8	Cl.	...		Fine clear weather; clouds becoming white and spreading to north and east.
11-53	58.0	74.5	62.1	.392	45	N	4.8	Cl.	...		Clouds low, detached and greyish white.
12-8	57.6	75.3	63.3	.423	49	NE	5.6	Cu.	.		
12-23	57.0	76.3	64.3	.443	49	Calm	3.6	Cu.	...		
12-38	56.5	75.3	63.3	.423	48	NE	3.2	S.	.		Beginning of eclipse.
12-48	55.9	74.9	62.3	.395	46	NNE	6.0	S.	...		Clear. Sky slightly dim and dull.
12-53	56.3	74.7	63.1	.425	50	...	...	...	...	1	
1-5	56.3	74.5	62.3	.401	47	...	...	...	...	1	
1-13	56.1	74.9	62.5	.400	46	...	...	...	...	2	
1-18	56.3	75.1	62.3	.392	45	N	6.0	Cl.	...	2	Getting cooler. Clouds scattered.
1-13	56.0	74.1	61.9	.394	46	...	...	...	...	3	
1-18	56.0	74.5	61.7	.380	44	...	...	...	...	3	Light losing brightness.
1-23	56.0	74.1	61.1	.367	43	NE	6.0	Cl.	...	4	Cool and pleasant.
1-28	56.0	73.7	61.1	.372	45	...	...	...	...	4	Unusually dim. Clouds near the sun.
1-33	56.0	73.3	61.1	.376	46	...	...	...	...	5	
1-38	56.0	72.9	60.3	.357	45	NE	6.0	S.	S to N	6	Weather cool and pleasant; sky near the sun is greyish white and grey in places.
1-43	55.8	72.3	60.3	.365	46	...	...	...	...	6	Sky slightly dim and the sun totally black at the eclipsed part.
1-48	55.8	72.3	61.1	.391	49	...	...	...	...	7	
1-53	55.6	72.1	61.1	.393	50	NE	4.4	Cl. S.	..	8	Few Cl. S. near the sun.
1-58	55.9	71.5	60.9	.397	52	...	...	A. S.	W to N	8	Clouds distant from the sun yellow; sun's rays on lime-washed houses and distant forest still yellow. Daylight losing brightness. Atmosphere cool and pleasant.
2-3	55.9	71.3	60.9	.398	52	...	...	...	...	7	Clear and bright.
2-8	55.9	71.1	60.3	.381	51	NE	3.2	S.	...	6	Weather cool and pleasant.
2-13	55.7	71.1	60.5	.388	52	...	...	...	...	5	Eclipse decreasing.
2-18	55.7	71.1	60.1	.375	49	...	...	...	...	4	Weather pleasant and cool.
2-23	55.5	71.1	60.3	.381	51	NE	4.0	S.	.	3	Sky blue.
2-28	55.7	71.1	60.3	.381	51	...	...	...	...	3	
2-33	55.7	71.1	60.1	.375	49	...	...	...	...	2	
2-38	55.5	71.1	60.1	.375	49	NE	4.0	S.	...	1.5	Coolness passing off.
2-43	55.5	71.5	60.3	.375	49	...	...	...	...	1.3	
2-48	55.5	71.5	60.3	.375	49	...	...	...	...	1	Weather fine and dry bright.
2-53	55.3	71.3	59.7	.359	47	NE	3.6	S.	...	...	Sun's disc all but clear.
3-3	55.7	71.5	60.1	.368	47	NE	3.6	...	...	...	Eclipse terminated, sun bright, weather fine and clear sky blue, clouds scattered.

No. 113. Lat. 24° 16' N.

DEESA.

Long. 72° 14' E.

Four hundred and twenty-five miles from central line of totality. Greatest obscuration 7.8.

Hour.	Barometer.		Dry bulb corrected.	Wet bulb corrected.	Apparent vapour pressure.	Relative humidity.	Wind.		Cloud proportion.	Proportion of eclipse, totality to.	Weather and other remarks.
	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.					Direction.	Amount since preceding interval, in miles per hour.			
Madr. time.											
A.M.											
10-32	29.614	30.053	83.8	59.7	1.94	17	E	...	Nil		Sky entirely blue.
10-47	610	033	84.8	60.1	1.92	16	E	8.0	"		Ditto.
11-2	604	027	85.5	60.6	1.95	16	ESE	4.0	"		Ditto.
11-17	600	022	86.6	60.3	1.75	13	ESE	8.0	"		Ditto.
11-32	593	015	87.3	60.8	1.62	14	SE	10.0	"		Fine, small tufts of clouds (Cl. Cu.) from NW to NE. Middle sky blue and clear.
11-47	589	009	88.1	60.4	1.58	11	SE	4.0	"		Few, small ditto. Middle sky entirely blue NW horizon dull whitish colour.
P.M.											
0-2	582	001	88.9	61.6	1.85	13	SE	6.0	"	0.5	Middle sky blue. Small tufts of clouds resembling Cl. Cu. from NW to NE. NW horizon dull. Eclipse began 11-24 A.M. on SW.
0-7	579	29.999	88.0	61.9	1.58	16	SE	6.8	"	1	
0-12	577	99.6	88.9	63.6	1.52	19	SE	6.0	"	1.5	
0-17	576	99.5	89.1	61.8	1.48	14	SE	6.0	"	1.8	
0-22	573	99.3	87.8	60.5	1.66	13	SE	3.0	"	2	Partial.
0-27	573	99.3	88.3	62.5	1.73	17	SE	3.0	"	2.3	Horizon dull whitish. Sky clear.
0-32	569	98.4	89.0	63.4	1.44	18	SE	6.0	"	2.8	Calm.
0-37	569	98.7	88.0	60.3	1.56	11	SSE	3.0	"	3	Tilt towards N.
0-42	564	98.4	87.5	60.1	1.55	11	SSE	3.0	"	3.5	Sunlight getting dim, blue, except NW horizon.
0-47	562	98.3	87.4	61.3	1.67	13	S	3.0	"	4	S to W horizon dim, and NW whitish.
0-52	558	97.8	87.5	60.6	1.71	13	S	3.0	"	4	
0-57	557	97.8	87.4	61.5	1.61	16	S	3.0	"	5	
1-2	554	97.5	86.6	61.4	1.79	14	S	9.0	"	6	
1-7	551	97.2	86.8	61.6	1.15	17	S	15.0	"	6.8	Sky dull in NW horizon and whitish in S to SW.
1-12	549	97.0	86.5	61.1	1.20	16	S	3.0	"	7	NW and S to SW horizon and sky pinkish.
1-17	547	96.9	86.0	60.3	1.84	14	S	3.0	"	7.5	S to SW and NW horizon pinkish.
1-22	545	96.7	85.6	61.3	1.21	17	S	6.0	"	7.8	S to SW and NW horizon pinkish. Sun dimmer as it covered with Cl. S. Greatest obscuration.
1-27	542	96.4	85.6	61.4	1.24	18	S	3.0	"	7.5	
1-32	540	96.2	85.6	61.5	1.25	19	S	6.0	"	7.5	S to S W and NW to W horizon pinkish.
1-37	539	96.1	85.8	61.8	1.66	22	S	3.0	"	7	Calm.
1-42	538	96.0	86.0	62.3	1.48	20	S	3.0	"	6	Do. S to SW and NW horizon pinkish.
1-47	537	95.9	86.2	61.8	1.27	18	S	3.0	"	5.5	Sky and horizon as above.
1-52	537	95.9	86.2	61.6	1.69	16	S	3.0	"	5	
1-57	535	95.6	86.6	61.1	1.69	16	S	3.0	"	4	
2-2	533	95.4	86.7	61.6	1.81	15	S	3.0	"	3.5	
2-7	533	95.4	86.9	61.0	1.92	15	S	6.0	"	1.8	Sky and horizon as above.
2-12	531	95.3	87.6	61.6	1.63	16	S	6.0	"	1.3	
2-17	530	95.1	87.7	61.9	1.10	16	S	3.0	"	1	Sky and horizon as at 1-42 P.M.
2-22	527	94.5	87.6	61.8	1.29	16	S	3.0	"	0.8	Ditto. ditto.
2-27	525	94.1	87.1	63.5	1.15	18	S	0	"	0.8	Calm.
2-32	526	94.1	87.0	61.8	1.91	14	S	3.0	"	0.5	Sky and horizon as at 1-42 P.M.
2-37	523	94.1	88.9	62.1	1.93	14	S	3.0	"	0.3	
2-42	523	94.0	87.7	62.0	1.18	15	S	3.0	"	0.1	Calm.
2-47	523	94.0	87.4	62.8	1.97	15	S	3.0	"		Calm.
2-52	522	93.9	87.8	63.9	1.48	18	S	3.0	"		Calm. Sun clear. S to NW horizon whitish.
2-57	522	93.9	87.7	62.7	1.10	15	S	3.0	"		Ditto.
3-2	522	93.9	87.6	62.5	1.66	15	S	3.0	"		Calm. Ditto.
3-17	520	93.7	87.3	63.3	1.21	15	S	4.0	"		Calm. Ditto.
3-32	519	93.7	88.0	62.1	1.12	16	S	3.0	"		Ditto.
3-47	521	93.6	91.6	61.0	1.30	15	S	2.0	"		Calm. Ditto.
4-2	520	93.6	90.8	63.7	1.30	16	S	3.0	"		Calm. Sky clear all around.
4-17	522	93.7	91.7	61.8	1.54	17	S	3.0	"		Calm. Ditto.
4-32	526	94.2	91.7	63.9	1.37	16	S	4.0	"		Ditto.

No 116 Lat 25° 15' N

BHUJ

Long 69° 42' E

Four hundred and eighty seven miles from central line of totality Greatest obscuration 7

Hour	Barometer		Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure	Relative humidity	Wind		Cloud proportion	Proportion of obscuration	Weather and other remarks
	Corrected and reduced to 32° F	Reduced to sea level and constant gravity					Direction	Amount of wind in miles per hour			
A.M.	"	"	"	"	"	%					
10-42	29.680	30.035	78.8	57.1	180	19	NNW		Asl		Fine weather sky blue
10-57	.680	.035	79.2	57.1	175	18	NNW	52	"		Ditto
11-12	.673	.027	80.0	58.1	193	19	NNW	66	"		Ditto
11-27	.671	.023	82.2	58.4	174	15	NE	49	"		Ditto
11-42	.667	.019	83.2	58.6	167	15	N	59	"		Ditto
11-57	.658	.009	83.7	57.8	135	12	NE	79	"	1	Ditto
P.M.											
0-7	.654	.004	84.6	58.4	142	12					
0-12	.654	.004	85.0	58.0	124	10	NE	22	"	2	Ditto
0-22	.649	.29999	84.6	58.5	146	13			"	3	Ditto
0-27	.647	.996	85.0	57.8	118	10	NE	106	"	3	Ditto
0-37	.645	.995	84.6	57.7	120	10			"	4	Ditto
0-42	.643	.993	84.4	57.4	115	10	NE	50	"	4	Ditto
0-52	.637	.987	84.6	58.1	133	11			"	5	Fine weather sky blue and sun light dim and gloomy
0-57	.631	.981	84.4	57.8	127	11	ENE	77	"	5	Ditto
1-7	.629	.979	83.8	57.3	120	10			"	6	Ditto
1-12	.627	.978	83.4	57.3	125	11	NE	65	"	6	Ditto
1-22	.623	.974	83.4	57.0	115	10			"	7	Ditto
1-32	.615	.966	83.4	57.8	141	12	NE	72	"	6	Ditto
1-42	.611	.961	83.6	57.2	118	10			"	6	Ditto
1-47	.611	.961	84.2	57.6	124	11			"	5	Ditto
1-52	.607	.957	84.4	57.7	124	10	N	26	"	4	Ditto
2-2	.605	.955	84.4	57.6	122	10			"	3	Ditto
2-7	.605	.955	84.4	58.2	138	11			"	3	Ditto
2-12	.603	.952	85.0	58.8	149	13	NNW	64	"	2	Ditto
2-22	.599	.947	85.3	58.8	131	10			"	2	Ditto
2-27	.599	.946	85.6	58.8	142	11	NW	64	"	1	Ditto
2-37	.597	.944	86.6	58.8	128	9			"	1	Ditto
2-42	.593	.940	86.6	58.4	116	9	N	61	"	0	Ditto
2-57	.590	.937	87.2	59.2	132	10	N	70	"		Ditto
3-12	.592	.938	87.6	58.5	106	9	N	68	"		Ditto
3-27	.598	.945	87.1	58.1	100	8	NW	53	"		Ditto
3-42	.600	.947	87.9	59.8	141	11	Calm	32	"		Ditto
3-57	.600	.947	88.3	58.8	105	8	NW	29	"		Ditto
4-12	.604	.950	88.8	59.8	129	9	NE	25	"		Ditto
4-27	.604	.950	88.7	60.1	141	10	N	46	"		Ditto
4-42	.604	.951	88.4	60.1	144	10	NE	42	"		Ditto

No. 117. Lat. 30° 40' N.

CHAKRATA.

Long. 77° 55' E.

Five hundred and fourteen miles from central line of totality. Greatest obscuration 5.

HOUR.	BAROMETER.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	WIND.		Cloud proportion.	Proportion of eclipse, totality is.	WEATHER AND OTHER REMARKS.
						Direction.	Amount since preceding interval, in miles per hour.			
A.M.										
10-9	33.06	57.5	39.5	110	28	Calm	...	Nil		
10-24	36.5	...	...	...	...	Calm	...	"		
10-39	36.5	58.1	41.2	108.6	17	S	13.8	"		
10-54	36.5	...	...	...	...	S	...	"		Fine clear weather.
11-9	36.5	58.1	40.9	108.0	17	S	17.0	"		
11-24	36.1	...	...	...	...	SSW	...	"		
11-39	35.5	60.5	41.8	107.3	14	SSW	14.0	"		
11-54	35.3	...	...	...	...	SSW	...	"		Slight hazy clouds like cirrus in S., having appearance of uplight dust-haze.
P.M.										
0-9	35.1	57.0	40.9	107.0	14	S	27.8	1		
0-19	34.7	...	...	...	...	S	...	Nil	1	Slight hazy clouds resembling dust-cloud.
0-24	34.7	...	...	...	...	S	...	"		
0-39	34.7	...	...	...	...	S	...	"		
0-54	34.5	...	...	...	...	S	...	"	2	Dust-cloud disappeared. Sky unusually dark blue, light noticeably diminishing and of yellowish colour.
0-59	34.5	57.3	41.2	107.3	14	S	8.2	"		
0-44	34.5	...	...	...	...	S	...	"	3	Shadows thrown appeared as of bright moon light.
0-49	34.3	...	...	...	...	S	...	"		
0-54	34.3	...	...	...	...	S	...	"	4	Yellowish light.
0-59	33.9	...	...	...	...	S	...	"		
1-0	33.9	...	...	...	...	S	...	"		
1-9	33.9	57.5	40.1	107.2	17	S	12.2	"		
1-14	28.3	...	...	...	...	S	...	"	5	Shadows thrown are indistinct and bluish. Air perceptibly cooler.
1-19	28.3	...	...	...	...	S	...	"		Pale yellow light resembling moon light.
1-24	28.1	...	...	...	...	S	...	"		
1-29	28.3	...	...	...	...	S	...	"		
1-34	28.3	...	...	...	...	S	...	"		Light gradually becoming brighter.
1-39	28.3	54.0	38.8	108.0	20	S	17.0	"	3	Ditto ditto.
1-44	37.5	...	...	...	...	S	...	"		Ditto ditto.
1-49	37.5	...	...	...	...	S	...	"		
1-54	37.5	...	...	...	...	S	...	"		
1-59	37.3	...	...	...	...	S	...	"	2	
2-0	37.3	...	...	...	...	S	...	"		
2-9	37.9	54.6	40.2	108.2	23	S	27.0	"	1	Light assumed almost usual brightness.
2-14	37.1	...	...	...	...	S	...	"		
2-19	37.9	...	...	...	...	S	...	"		
2-24	37.3	...	...	...	...	S	...	"		
2-29	37.9	...	...	...	...	S	...	"		Light resumed normal brilliancy.
2-34	37.7	...	...	...	...	S	...	"		Dust haze in distance.
2-39	37.7	55.5	40.9	106.6	24	S	6.8	"		
2-44	37.5	...	...	...	...	S	...	"		
2-49	37.5	...	...	...	...	S	...	"		Eclipse terminated at 2-50 A.M.
2-54	37.5	...	...	...	...	S	...	"	0	Dust-haze diminishing. Distant objects very distinct.
3-0	37.1	55.6	40.9	106.6	24	S	2.5	"		
3-24	37.1	...	...	...	...	S	...	"		
3-39	37.3	55.3	40.6	106.3	24	S	24.2	"		Fine clear weather.
3-54	37.9	...	...	...	...	S	...	"		
4-9	33.1	53.9	40.9	123	30	S	47.2	"		

No 118. Lat 10° 50'N.

TRICHINOPOLY

Long 78° 44'E.

Five hundred and thirty five miles from central line of totality Greatest obscuration 75

Hour	Barometer		Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure	Relative humidity	Wind		Cloud preparation	Proportion of total to 10.	Weather and other remarks
	Corrected and reduced to 32° F	Reduced to sea level and constant gravity					Direction	Amount since passed at interval in miles per hour			
At Madras time	"	"	"	"	"	%					
6-31	29.720	29.916	70.9	66.8	604	80	NE		5		S clouds around the horizon a few Cu clouds obscured the sun at rise Force of wind light colour of sun yellow
7-5	726	921	71.0	66.8	602	79	NNE	1.27	6		A few S clouds in the N and ESE near the horizon passing clouds gather from all directions
8-6	754	948	73.3	67.9	612	74	NNE	0.5	7		Passing clouds obscured the sun
9-6	772	964	76.2	69.1	618	69	NNE	11.4	10		Overcast with dark clouds
10-6	770	961	78.8	69.5	598	60	NE	9.5	10		Nimbus overcast with chill breeze Sun visible for a second or two
10-21	765	957	77.6	68.6	580	61	NE	9.2	10		Dark nimbus all over chill breeze
10-36	762	954	77.7	68.8	586	62	NNE	10.8	10		Nimbus
10-51	762	954	77.8	68.9	588	62	NE	11.2	10		Obito
11-6	760	951	78.5	69.5	602	61	NNE	8.4	10		Obito
11-21	758	949	78.5	69.2	590	61	NNE	8.8	10		Dark stratus and nimbus clouds
11-36	758	949	78.2	68.9	585	60	NNE	8.4	10		Ditto
11-51 P.M.	756	947	78.9	69.1	581	59	N	10.0	10		A few Cu clouds moving from the north
0-6	752	943	79.6	69.6	592	58	NNE	7.6	10		Ditto
0-16	745	937	79.5	68.9	566	57	NE	15.0	9	75	Ecl per seen at intervals of 2 or 3 seconds.
0-21	741	932	79.8	69.6	588	58	N	9.6	9	4	Obito ditto
0-26	759	929	80.4	69.9	592	57	NNE	8.4	8	5	Ditto ditto
0-31	738	928	80.1	69.9	595	58	N	3.6	10		Sun is not visible
0-36	733	924	79.4	68.9	567	57	NNE	10.8	10		Dark clouds
0-41	731	922	79.3	68.9	568	56	NE	9.6	10		Dark clouds in the N a few drops of rain.
0-46	730	921	78.8	68.6	564	57	NE	13.2	10		Dark gloomy Flying Cu Cu clouds
0-51	722	913	78.8	68.9	576	59	N	9.6	10		Overcast
0-56	720	911	78.7	69.2	588	60	NNE	14.4	10	7	The sun clear of clouds for a second or two.
1-1	722	914	77.2	68.9	598	64	NNE	13.2	10	75	A slight drizzle
1-6	718	910	77.9	69.2	599	62	N	4.8	10		Sun cannot be seen
1-11	716	908	76.9	68.7	593	64	NNE	9.6	10		Dark gloomy Sun cannot be seen, a slight drizzle
1-16	716	908	76.8	68.9	605	65	ENE	9.6	10		Ditto ditto
1-21	715	907	76.0	68.3	590	65	NE	8.4	10		Obito ditto.
1-26	715	908	75.8	68.5	600	68	ENE	15.6	10		Ditto ditto
1-31	713	906	75.9	68.6	602	68	NE	3.6	10		Ditto
1-36	714	907	75.4	68.6	609	70	NNE	5.4	10		Nimbus all over dark and gloomy
1-41	708	901	75.0	68.2	600	69	N		10		Ditto
1-46	704	898	74.8	68.2	603	70	N		10		Dark, gloomy with a slight drizzle
1-51	704	898	74.8	68.6	617	72	Calm	6.0	10		Ditto
1-56	700	893	75.2	68.9	624	71	Calm		10		Overcast
2-1	700	893	75.3	68.9	623	70	Calm		10		Obito
2-6	698	891	75.2	68.9	624	71	Calm	1.6	10		Ditto
2-11	698	891	75.4	68.8	617	72	Calm		10		Ditto.
2-16	694	886	76.1	69.6	637	71	Calm		10		Ditto
2-21	689	881	76.4	69.3	623	69	Calm		10		Nimbus all over
2-26	685	877	76.9	69.9	639	69	Calm	0.6	10		Ditto
2-31	681	872	78.1	69.7	615	63	Calm		9		Cl Cu cloud, sky clearing up.
2-36	677	868	8.8	69.9	614	61	N	4.4	8		S lower clouds Upper clouds, Cl Cu from N
2-51	674	865	79.4	69.9	605	60	NNW		7		Nimbus clouds.
4-6	670	861	79.8	70.0	628	59	NNW	4.2	8		Lower clouds stratus from N upper clouds, Cl Cu

No. 119. Lat. $11^{\circ} 37' N$.

CUDDALORE.

Long. $79^{\circ} 52' E$.

Five hundred and thirty-eight miles from central line of totality. Greatest obscuration 7.

Hour.	BAROMETRE.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	WIND.		Cloud proportion.	WEATHER AND OTHER REMARKS.
	Corrected and reduced to $32^{\circ} F$.	Reduced to sea-level and constant gravity.					Direction.	Amount since preceding interval, in miles per hour.		
A.M.	"	"	"	"	"	%				
10-0	10007	299.48	75.8	72.2	743	84	N	...	8	
10-15	1011	2952	76.0	72.2	740	83	N	0.4	8	
10-30	1013	2954	76.5	72.2	733	80	N	0	8	
10-45	1013	2954	77.0	72.4	735	79	N	4.4	8	Sky ash coloured, cloudy.
11-0	1013	2954	77.8	72.4	723	75	N	0.4	8	
11-15	1001	2942	79.0	73.8	765	77	NE&N	8.8	8	
11-30	29999	2940	80.0	73.8	752	73	NE&N	0.4	8	
11-45	997	2938	80.2	73.8	749	72	N	1.2	8	
12-0	992	2932	80.4	73.8	747	72	NE	2.8	8	
P.M.										
0-15	985	2916	80.0	73.8	752	73	N	7.6	10	
0-30	975	2916	80.0	73.8	752	73	NNE	2.0	10	
0-45	958	2899	80.5	74.0	753	72	NNE	6.4	10	
1-0	958	2899	80.0	73.0	719	70	NE	5.2	10	
1-15	958	2899	79.5	72.8	717	71	NNE	2.4	10	
1-30	954	2895	79.0	72.5	712	72	NNE	2.4	10	
1-35	950	2891	79.0	72.0	692	70	...	...	...
1-40	948	2889	79.0	72.0	692	70	...	...	...
1-45	944	2885	79.0	72.0	692	70	NNE	3.6	10	
1-50	940	2881	79.0	72.0	692	70	...	...	...
1-55	940	2881	79.0	72.5	712	72	...	...	...
2-0	936	2877	79.0	73.0	732	74	NE	3.2	10	Cloudy, but not very dark.
2-5	938	2877	79.0	73.2	740	75	...	...	...
2-10	936	2877	79.0	73.2	740	75	...	...	...
2-15	936	2877	79.0	73.2	740	75	NE	3.2	10	
2-20	932	2873	79.0	73.8	765	77	...	...	...
2-25	932	2873	79.0	74.0	774	78	...	...	...
2-30	932	2873	79.0	74.0	774	78	NNE	5.6	10	
2-45	930	2871	79.0	74.2	782	79	NNE	4.4	10	
3-0	918	2859	80.0	75.0	802	78	NNE	9.6	8	Sun shone brightly for four or five minutes, when a few drops of rain fell. Afterwards the sky looked dim and cloudy until 4 P.M., when it became clear and the sun bright as usual.
3-15	928	2869	79.5	75.0	816	82	NNE	4.0	8	
3-30	928	2869	79.5	75.0	809	80	NNE	4.8	8	
3-45	928	2869	79.5	75.2	812	81	NNE	6.0	8	
4-0	932	2873	79.0	75.0	816	82	NNE	7.2	8	

No 120 Lat. 9° 55' N.

MADURA.

Long. 78° 10' E

Five hundred and fifty-four miles from central line of totality Greatest obscuration 7

Hour	BAROMETER		Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure	Relative humidity	WIND		Cloud proportion	Proport on of eclipse total ty to	WEATHER AND OTHER REMARKS
	Corrected and reduced to 32°F	Reduced to sea level and constant gravity					Direction	Amount since preceding interval, in miles per hour			
Madras time.	"	"	"	"	"	%					
A M											
10-8	29.564	29.950	79.8	69.2	573	57	NNE	..	9		Almost the whole sky covered with S Cu clouds passing to W
10-23	560	946	80.0	69.5	582	57	NNE	5.2	9		
10-38	559	945	80.2	69.8	589	57	NNE	6.8	8		
10-53	555	940	80.9	69.8	581	56	NNE	7.2	8		
											S Cu clouds covering a large portion of sky and Ci S clouds a small portion to W S Cu clouds covering a large portion of sky and Ci S clouds a small portion in E
11-8	554	938	81.8	70.1	580	53	NNE	4.0	6		
11-23	543	926	82.7	70.1	569	51	NNE	6.0	5		
11-38	538	920	83.7	70.2	558	48	NNE	4.8	6		
11-48	535	917	83.9	70.4	563	48	NNE	6.0	8	1	Eclipse commenced at 11-44 A.M. from S.W. S Cu clouds in the zenith and A Cu clouds in W
11-58	535	917	84.2	70.5	564	48	NNE	4.8	8	2	
											Ditto
P M											
0-8	534	915	84.7	71.3	557	49	NNE	5.4	9	4	Ditto
0-18	530	912	85.1	70.8	590	51	NNE	4.8	9		Ditto 0-18 P.M. to 2 P.M. sun hidden by clouds
0-28	524	907	82.8	70.5	582	52	NNE	4.2	9		
0-38	521	904	82.1	70.1	576	52	NNE	6.0	10		0-38 P.M. to 1-38 P.M. sky wholly covered with S Cu clouds passing westwards
0-48	515	898	81.8	70.0	576	53	NNE	6.0	10		
0-58	514	898	81.3	70.0	583	55	NNE	6.6	10		
1-8	510	894	80.9	70.0	587	56	NNE	4.2	10		A Cu clouds in E. and S Cu clouds in other parts of sky Do. passing westwards.
1-18	503	887	80.9	70.3	601	57	NNE	6.0	10		
1-28	497	881	80.9	70.1	593	56	NNE	6.0	10		
1-38	493	877	80.9	70.1	593	56	NNE	4.8	10		
1-48	485	869	80.9	70.1	593	56	NNE	7.2	9		
1-58	485	869	81.1	70.1	590	56	NNE	7.8	9		
2-8	479	863	81.6	70.2	585	54	NNE	6.0	9		Ditto
2-18	477	861	81.8	70.2	584	54	NNE	9.6	9	2	Sun very slightly obscured
2-28	473	857	82.3	70.2	577	52	NNE	5.4	9		At 2-25 P.M. the eclipse ended full round sun visible, S Cu clouds passing westwards
2-38	469	851	82.7	71.4	618	55	NNE	4.8	9		Almost the whole sky covered with S Cu clouds moving westwards
2-53	469	853	82.0	71.2	620	57	NNE	8.4	8		
3-8	469	852	81.9	70.6	598	55	NNE	8.8	10		The whole sky was completely covered with S Cu clouds passing westwards and the sun was not visible
3-23	469	852	81.7	70.6	601	56	NNE	6.8	10		
3-38	475	860	80.7	70.3	602	58	NNE	8.8	10		
3-53	477	861	80.7	70.2	599	57	NNE	4.8	10		
4-8	477	861	80.5	70.2	597	57	NNE	4.8	10		

Five hundred and sixty-five miles from central line of totality. Greatest obscuration 7.

Hour.	BAROMETER.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	WIND.		CLOUD.		Preparation of eclipse, totality 10.	Natural radiation thermometer corrected.	Self-registering solar radiation thermometer corrected.	Non-self-registering solar radiation thermometer corrected.	WEATHER AND OTHER REMARKS.
						Direction.	Amount since preceding interval, in miles per hour.	Proportion.	Kind.					
Madras time.	Corrected and reduced to $32^{\circ} F$.													
A.M.	"	"	"	"	%									
10-12	23.196	48.6	36.7	.095	28	NNE	—	Nil	...		56.7	94.7	...	Clear.
10-27	.198	49.1	37.2	.100	28	NNE	5.0	"	...		56.7	108.5	...	Do.
10-42	.202	49.1	37.3	.102	29	NNE	5.0	"	...		56.7	109.5	...	Do.
10-57	.204	49.6	38.3	.116	32	NNE	5.0	"	...		56.7	112.4	...	Do.
11-12	.205	50.1	38.3	.111	30	NNE	3.0	"	...		56.7	111.5	...	Do.
11-27	.202	50.5	38.3	.107	28	NNE	3.0	"	...		56.7	112.6	110.1	Do.
11-42	.198	50.9	38.7	.110	30	NNE	3.0	"	...		56.7	116.5	113.6	Do.
11-57	.198	50.6	37.9	.097	26	NNE	3.0	"	...		56.7	116.3	113.7	Do.
P.M.	"	"	"	"	"									
0-12	.196	50.9	37.7	.091	25	NNE	4.0	"	...		56.7	115.6	112.6	Do. Eclipse began at oh. 11m. 35s.
0-17	.194	51.0	37.7	.090	25	NNE	4.0	"	...	1	56.7	115.2	112.0	Do.
0-22	.194	50.9	38.2	.101	27	NNE	4.0	"	...	1	56.7	112.0	107.8	Do.
0-27	.188	51.0	37.8	.092	25	NNE	4.0	"	...	2	56.7	111.5	106.9	Do.
0-32	.185	51.2	38.2	.098	26	NNE	4.0	"	...	2	56.7	111.2	105.3	Do.
0-37	.188	51.5	38.3	.097	25	NNE	4.0	"	...	3	56.7	108.8	103.2	Do.
0-42	.188	51.1	38.0	.095	26	NNE	4.0	"	...	3	56.7	105.7	99.8	Do.
0-47	.188	50.9	37.9	.095	26	NNE	4.0	"	...	4	56.7	101.5	96.2	Do.
0-52	.188	51.5	38.9	.108	29	NNE	4.0	"	...	4	56.7	98.5	92.6	Do.
0-57	.184	51.5	38.7	.104	28	NNE	4.0	"	...	4	56.7	95.5	89.3	Do.
1-2	.182	50.7	37.8	.094	26	NNE	4.0	"	...	5	56.7	91.6	85.5	Do.
1-7	.181	50.4	38.0	.101	27	NNE	4.0	"	...	5	56.4	85.8	79.7	Do.
1-12	.178	50.3	37.9	.100	27	NNE	4.0	"	...	5	56.3	83.7	78.3	Do.
1-17	.174	49.7	36.9	.089	25	NNE	4.0	"	...	5	53.3	78.9	73.6	Do.
1-22	.172	49.8	37.0	.090	25	NNE	4.0	"	...	6	51.4	74.7	69.6	
1-27	.172	49.7	37.0	.091	25	NNE	4.0	"	...	7	50.4	71.9	67.4	Do. Eclipse was greatest at 1.27 P.M.
1-32	.163	49.2	36.3	.083	23	NNE	4.0	"	...	6	49.7	69.3	65.1	Do.
1-37	.168	49.1	36.6	.089	26	NNE	4.0	"	...	6	49.3	67.4	64.2	Do. Eclipse began to decrease at 1.37 P.M.
1-42	.168	48.8	36.4	.088	26	NNE	4.0	"	...	6	48.5	67.2	64.2	Do.
1-47	.164	49.1	36.6	.089	26	NNE	4.0	"	...	5	...	67.5	65.1	Do.
1-52	.164	49.1	36.3	.084	24	N	4.0	"	...	5	...	63.8	67.0	Do.
1-57	.162	48.7	36.3	.087	25	N	4.0	"	...	4	...	71.5	69.8	Do.
2-2	.164	48.9	36.3	.087	25	N	4.0	"	...	4	...	74.8	72.4	Do.
2-7	.162	49.1	36.8	.093	27	N	4.0	"	...	4	...	74.6	72.4	Do.
2-12	.164	48.9	36.4	.088	25	N	5.0	"	...	4	...	82.5	79.3	Do.
2-17	.162	49.0	36.8	.094	27	N	5.0	"	...	3	...	87.7	85.0	Do.
2-22	.162	49.1	37.0	.098	28	N	5.0	"	...	3	...	91.4	87.4	Do.
2-27	.160	49.1	37.0	.098	28	N	5.0	"	...	2	...	94.1	89.4	Do.
2-32	.162	49.4	37.3	.099	28	N	5.0	"	...	1	...	98.5	95.8	Do.
2-37	.158	49.3	37.1	.097	27	N	5.0	"	...	1	...	101.2	98.3	Do.
2-42	.162	49.3	37.1	.097	27	N	5.0	"	...	...	...	101.5	98.4	Do.
2-47	.160	49.4	37.2	.098	27	N	5.0	"	...	...	...	104.7	101.5	Do. Eclipse wholly disappeared at 2h. 45m.
3-2	.162	49.5	37.3	.098	27	N	5.0	"	...	...	...	107.2	103.2	Do.
3-17	.166	49.7	37.3	.095	26	N	4.0	"	...	...	...	107.6	102.5	Do.
3-32	.166	49.7	37.5	.100	28	N	4.0	"	...	...	...	106.6	100.9	Do.
3-47	.168	50.5	38.3	.107	28	N	4.0	"	...	...	...	105.5	100.9	Few Cl. clouds moving from WSW came over the sun and continued passing till 4-12 P.M.
4-2	.169	50.1	38.3	.111	30	N	4.0	"	CL	...	...	105.1	98.4	
4-12	.169	50.7	38.3	.104	27	Calm	4.0	"	CL	...	...	104.9	98.3	

Five hundred and eighty four miles from central line of totality Greatest obscuration 7

Hour	Barometer		Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure	Relative humidity	Wind		Cloud proportion	Weather and other remarks.
	Corrected and reduced to 32° F	Reduced to sea-level and constant gravity					Direction	Amount since recorded at interval in miles per hour		
Madras time.	"	"	"	"	"	%				
A M	"	"	"	"	"	%				
10 1	30 005	29 903	72 6	70 4	715	89	NNE		10	10-1 A.M. to 2-5 P.M. drizzling 10-1 A.M. to 1:11 P.M. dark and gloomy weather
10 16	001	899	72 8	70 5	717	89	N	72	10	The day dawned with dark gloomy weather light wind from north and light showers. Sun hardly visible during the day.
10 31	29 999	897	73 1	70 6	717	88	NW	172	10	At the supposed time of eclipse it resembled a dusky twilight.
10 46	994	892	73 3	70 6	715	87	NW	68	10	The weather was cloudy and with drizzling rain at intervals and the wind varying in force from light to strong and squally.
11 1	992	890	73 8	70 6	707	85	NW	76	10	Sea smooth to slight. The succeeding night and the following day were more or less the same. Total rainfall up to 2 P.M. 2.18 inch
11 16	998	896	74 3	70 9	712	85	NW	88	10	
11 31	992	892	75 2	71 2	711	81	NNE	92	10	
11 46	994	891	75 3	71 3	714	81	NW	72	10	
11 56	960	858	74 9	71 0	707	82	NW	144	10	
P M										
0 1	938	856	74 3	70 8	702	84	N	132	10	
0 6	956	854	74 0	71 0	720	86	NW	132	10	
0 11	950	850	73 8	71 2	731	88	NW	108	10	
0 16	950	848	73 7	70 9	722	87	NW	60	10	
0 21	948	846	73 7	70 9	722	87	NW	96	10	
0 26	946	844	73 7	70 9	722	87	NW	36	10	
0 31	942	840	73 7	70 8	716	86	WNW	24	10	
0 36	940	838	73 7	70 9	722	87	NW	36	10	
0 41	938	836	73 8	70 9	720	86	NW	12	10	
0 46	938	836	73 8	70 9	720	86	NW	60	10	
0 51	938	836	73 7	70 8	716	86	NW	108	10	
0 56	932	830	73 9	71 0	721	86	NW	36	10	
1 1	930	828	73 9	71 0	721	86	NW	36	10	
1 6	928	826	74 1	71 1	723	86	NW	96	10	
1 11	928	826	74 2	71 0	717	85	NW	36	10	
1 16	928	826	74 2	71 1	722	86	NW	36	10	1 16 P.M. to 2 31 P.M. dusky twilight
1 21	928	826	74 4	71 2	722	85	NW	60	10	
1 26	926	824	74 5	71 2	721	85	NW	72	10	
1 31	924	822	74 8	71 4	724	84	NW	72	10	
1 36	918	816	74 9	71 4	724	84	NW	12	10	
1 41	916	813	75 0	71 5	726	84	NW	36	10	
1 46	914	812	74 9	71 3	720	83	NW	24	10	
1 51	910	808	74 9	71 4	723	84	W	60	10	
1 56	908	806	74 8	71 2	718	83	W	72	10	
2 1	906	804	74 4	70 9	712	84	W	48	10	
2 6	906	804	74 4	70 9	712	84	W	36	10	
2 11	904	802	74 3	71 0	716	85	NW	48	10	2 11 P.M. to 2 51 P.M. raining
2 16	904	802	74 3	70 9	713	84	NW	36	10	
2 21	902	800	74 2	71 0	717	85	NW	48	10	
2 26	900	798	74 2	71 1	722	86	NW	60	10	
2 31	900	798	74 1	71 2	726	86	NW	84	10	
2 36	898	796	74 2	71 3	729	86	NW	72	10	
2 41	898	796	74 1	71 2	726	86	NW	60	10	
2 46	898	796	74 0	71 0	720	86	NW	72	10	2 36 P.M. to 2 56 P.M. drizzling and dark gloomy weather
2 51	896	794	73 9	71 0	721	86	NW	24	10	
2 56	896	794	73 8	70 8	715	86	NW	72	10	
3 1	896	794	73 8	71 7	750	90	NW	48	10	
3 16	896	794	73 8	71 6	747	89	N	36	10	3 1 P.M. to 4 1 P.M. raining
3 31	893	791	73 8	71 8	752	90	E	44	10	
3 46	893	791	73 8	71 8	752	90	NW	68	10	
4 1	893	791	74 5	72 6	776	91	NW	64	10	

No. 123. Lat. $8^{\circ} 44' N$.

TINNEVELLY (Palamcotta).

Long. $77^{\circ} 44' E$.

Five hundred and ninety-three miles from central line of totality. Greatest obscuration 7.

Hour.	BAROMETER.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind.		CLOUD.		WEATHER AND OTHER REMARKS.
	Corrected and reduced to $32^{\circ} F$.	Reduced to sea-level and constant bar. 17.					Direction.	Amount since preceding interval, in miles per hour.	Proportion.	Kind.	
A.M.	"	"	"	"	"	%					
10-10	29.840	29.939	80.1	69.0	561	55	NNW	-	8	S. Cu.	The sky heavily clouded throughout the day.
10-25	83.2	93.1	80.8	69.0	551	52	WNW	4.4	8	Cu.	
10-40	83.2	93.1	80.3	69.0	553	54	N	4.8	8	Cu.	
10-55	83.4	93.3	81.9	70.0	574	52	N	5.6	8	Cu.	
11-10	83.4	93.3	82.7	70.0	564	50	N	10.4	4	A. Cu.	
11-25	83.5	93.4	83.1	70.1	563	49	NNW	2.0	9	Cu.	
11-40	83.1	93.0	83.1	70.1	563	49	NNW	24.0	9	S. Cu.	
11-55	81.5	91.7	83.9	70.6	572	47	N	6.0	10	S. Cu.	
P.M.											
0-10	81.2	91.1	83.9	71.0	586	50	NNE	0.8	10	S. Cu.	
0-25	80.7	90.0	84.1	71.8	616	53	NNE	11.8	10	S. Cu.	
0-40	79.6	89.4	83.3	71.0	575	51	NNE	6.4	4	A. Cu.	
0-55	78.3	88.6	83.9	71.9	621	54	NNE	3.2	10	M. Co.	
1-10	78.0	88.3	82.9	70.2	569	50	N	8.0	10	S. Cu.	The eclipse terminated.
1-25	78.0	88.3	81.0	70.1	577	53	NNE	3.2	10	S. Cu.	
1-40	77.0	87.3	81.6	71.0	604	55	N	6.4	10	N.	
1-55	76.0	86.3	82.8	71.0	601	54	NNE	4.8	10	N.	
2-10	75.7	85.5	83.9	71.3	619	54	NNE	1.6	10	N.	
2-25	75.7	85.5	83.8	71.3	600	52	N	6.8	10	N.	
2-40	74.6	84.3	84.1	72.0	624	54	NNE	3.6	10	N.	
2-55	74.0	83.7	83.9	72.0	626	54	N	16.0	10	N.	
3-10	74.0	83.7	83.6	72.2	637	55	NNE	2.0	10	N.	
3-25	74.0	83.7	83.0	72.3	650	58	N	2.4	10	N.	
3-40	75.0	84.7	83.9	73.1	671	58	N	1.2	10	N.	
3-55	75.0	84.7	83.4	73.0	673	59	NNE	1.6	10	N.	
4-10	75.0	84.7	83.0	72.3	650	58	NNE	2.8	10	N.	

No 124. Lat. 30°55' N.

LUDHIANA.

Long 75° 54' E

Six hundred and three miles from central line of totality. Greatest obscuration 7

Hour	BAROMETER		Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure.	Relative humidity	WIND.		Cloud proportion	Proportion of ecl pse total i.e.	WEATHER AND OTHER REMARKS.
	Corrected and reduced to 32° F	Reduced to sea-level and constant gravity					Direction	Amount since preceding interval in miles per hour			
A M	"	"	"	"	"	%	WSW		Nil		Weather fine and atmosphere cool
10 0	29.226	30.052	60.7	51.7	266	50	WSW	2.8	"		
10 15	231	055	62.1	52.1	258	46	WSW	2.8	"		
10 30	233	054	63.7	53.7	252	48	W	2.4	"		
10 45	230	046	65.9	53.7	253	39	WNW	3.2	"		
11 0	233	047	66.9	54.3	257	39	Calm	2.0	"		
11 15	230	041	68.7	54.7	244	35	WNW	2.0	"		
11 30	223	033	69.7	54.7	231	3*	WNW	2.4	"		
11 45	213	020	70.7	54.9	227	30	WNW	4.4	"		
12 0	210	014	71.9	55.7	230	29	NW	3.6	"		
P M											
0 15	207	010	72.9	55.9	223	28	NW	4.4	"		Eclipse commenced from S W at 0.19 P M.
0 20	209	012	73.1	55.9	220	27	NW	6.0	"	1	
0 25	207	010	73.1	56.1	226	28	NW	2.4	"	2	
0 30	205	007	73.3	55.7	212	26	NW	2.4	"		Day-light decreasing
0 35	195	29.997	73.5	55.7	209	25	NW	3.6	"		Day-light looked yellow
0 40	201	30.003	73.3	55.7	212	26	NW	6.0	"		
0 45	197	29.999	73.3	55.7	212	26	NW	3.6	"		
0 50	199	30.001	73.3	55.7	212	26	WNW	6.0	"	3	Day-light turned deep orange colour
0 55	190	29.993	73.1	55.5	209	26	NW	4.8	"		
1 0	186	088	73.1	55.5	209	26	NW	2.4	"		
1 5	188	091	72.7	55.5	214	27	NW	2.4	"		
1 10	190	094	72.7	55.5	214	27	NW	4.8	"	4	
1 15	193	097	72.3	55.3	214	27	NW	3.6	"		
1 20	188	092	72.1	55.1	211	27	NW	3.6	"		
1 25	182	086	71.7	55.1	216	28	NW	3.6	"	5	
1 30	184	088	71.7	55.1	216	28	NW	3.6	"		
1 35	184	088	71.5	55.1	217	28	NW	3.6	"	6	
1 40	176	080	71.3	54.9	214	28	NW	2.4	"	7	
1 45	176	080	71.5	55.5	230	30	NW	3.6	"	6	Day-light was as dim as before sun set.
1 50	176	080	71.3	55.3	227	29	NW	1.2	"		
1 55	180	084	71.3	55.5	233	30	NW	1.2	"		
2 0	174	078	71.5	55.5	230	30	NW	3.6	2		Day-light getting brighter
2 5	174	078	71.7	55.5	227	29	N	3.6	2		
2 10	174	077	71.9	55.7	230	30	NW	3.6	2	5	
2 15	172	076	72.1	55.9	233	29	NW	1.2	1	4	
2 20	170	073	73.3	55.7	212	26	NW	2.4	1		
2 25	174	077	72.5	56.1	233	29	NW	3.6	1	3	
2 30	170	072	72.7	55.9	225	28	NW	3.6	1	2	
2 35	174	075	72.9	56.3	235	29	NW	1.2	1	1	
2 40	174	074	73.5	56.7	238	29	NW	6.0	1		
2 45	171	072	73.1	56.5	238	30	NW	4.8	1		
2 50	171	072	73.3	56.5	235	29	NW	4.8	1		Eclipse terminated at 2.49 P M.
3 0	171	072	73.5	56.1	220	26	NW	2.4	2		
3 15	179	080	73.5	56.5	233	29	NW	2.8	3		
3 30	175	076	73.7	56.5	231	28	NW	3.6	3		Patches of white clouds moving from W
3 45	185	086	73.7	56.9	241	29	WNW	4.0	3		
4 0	187	087	73.9	56.3	223	26	WNW	5.6	2		

No. 125. Lat. 9° 17' N.

PAMBAN.

Long. 79° 10' E.

Six hundred and twenty-eight miles from central line of totality. Greatest obscuration 7.

Moon.	BAROMETER.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind.		Cloud.		Proportion of eclipse, totality is.	WEATHER AND OTHER REMARKS.
	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.					Direction.	Amount since preceding interval, in miles per hour.	Kind.	Direction of motion.		
A.M.						%						
10-4	29964	29928	76.8	73.8	795	86	N	---	Cl. Cu.	NNW to SSE		Sea rough.
10-19	964	928	76.6	73.8	798	87	NNE	100	Cl. Cu.	N to S	0.5	Ditto.
10-34	966	930	76.6	73.8	798	87	NNE	100	Fr. Cu.	N to S	1	Ditto. Cloudy.
10-49	963	927	77.0	74.0	801	86	NNE	308	S. Cu.	NNW to SSE	2	Sea slight. Ditto.
11-4	968	932	77.0	74.0	801	86	NNE	112	M. Cu.	N to S	3	Ditto ditto.
11-19	963	927	76.8	74.0	803	87	NE	168	M. Cu.	NNE to SSW	4	Ditto ditto.
11-34	963	927	76.8	73.8	795	86	NE	112	S. Cu.	NE to SW	5	Ditto ditto.
11-49	951	915	77.0	74.0	801	86	NE	80	S. Cu.	NE to SW	6	Ditto ditto.
11-59	939	923	76.8	74.0	803	87	NNE	180	Cl. N.	NNE to SSW	7.5	Sea smooth. Little.
P.M.												
0-4	939	923	77.3	74.3	809	86	NNE	660	Cl.	NNE to SSW	0.5	Ditto. Ditto. Sun not visible.
0-9	933	917	77.6	74.6	818	86	NNE	300	Cl.	NNE to SSW	1	Ditto. Sun visible.
0-14	953	917	77.3	74.6	815	85	NNE	150	M. Cu.	N to S	2	Ditto ditto.
0-19	949	913	77.8	74.6	815	85	NNE	120	Fr. N.	N to S	3	Sea slight. ditto.
0-24	945	909	77.8	74.6	815	85	NNE	180	N	N to S	4	Ditto ditto.
0-29	943	907	77.8	74.6	815	85	NNE	144	Fr. N.	N to S	5	Ditto ditto.
0-34	943	907	77.8	74.8	813	86	NNE	48	Fr. N.	N to S	6	Sea rough. ditto.
0-39	919	903	78.0	74.8	820	85	NNE	24	A. Cu.	NNW to SSE	7	Ditto ditto.
0-44	913	897	78.2	74.8	817	84	NNE	24	A. Cu.	NW to SE	8	Ditto ditto.
0-49	913	897	78.2	74.8	817	84	NNE	144	A. Cu.	N to S	9	Sea slight ditto.
0-54	919	893	78.2	74.8	817	84	NNE	136	N	N to S	10	Ditto ditto.
0-59	917	891	77.8	74.8	823	86	NNE	276	N	NNE to SSW	11.5	Sea rough ditto.
1-4	925	889	77.8	74.8	813	86	NNE	384	N	NNE to SSW	12	Ditto ditto.
1-9	923	887	77.8	74.8	813	86	NNE	408	Cl. N.	NE to SW	13	Ditto ditto.
1-14	923	887	77.8	74.8	813	86	NNE	336	A. Cu.	NK to SW	14	Ditto ditto.
1-19	921	885	77.8	74.8	813	86	NNE	456	N	NE to SW	15	Ditto ditto.
1-24	913	877	77.8	74.8	813	86	NNE	192	Cl. N.	NK to SW	16	Ditto ditto.
1-29	911	875	77.3	74.3	809	85	NNE	48	Fr. N.	NE to SW	17	Ditto Sun not visible.
1-34	909	873	76.8	73.8	795	86	NNE	120	N	NE to SW	18	Ditto Sun visible.
1-39	905	869	76.8	73.8	795	86	NNE	216	Cl. N.	NE to SW	19	Ditto ditto.
1-44	903	867	76.8	73.8	795	86	NNE	84	Fr. N.	NE to SW	20	Ditto ditto.
1-49	904	868	76.8	73.8	795	86	NNE	36	Cl. N.	NE to SW	21	Ditto Sun not visible, partly cloudy.
1-54	901	865	76.8	73.8	795	86	NNE	24	N	NE to SW	22	Ditto ditto cloudy.
1-59	897	861	76.8	73.8	795	86	NNE	24	Fr. N.	NE to SW	23	Ditto ditto ditto.
2-4	893	857	76.8	73.8	795	86	NNE	144	N	NE to SW	24	Ditto ditto ditto.
2-9	893	857	76.8	73.8	795	86	NNE	120	Cl. N.	NE to SW	25	Ditto Sun visible, partly at sky.
2-14	891	855	76.3	73.3	781	86	NNE	96	Cl. N.	NE to SW	26	Ditto Sun not visible, partly cloudy.
2-19	892	856	75.8	73.0	776	87	NNE	120	M. Cu.	NE to SW	27	Ditto Sun visible.
2-24	897	861	75.8	73.0	776	87	NNE	96	Fr. N.	NE to SW	28	Ditto ditto.
2-29	890	854	75.8	73.3	788	88	NNE	96	Fr. N.	NE to SW	29	Ditto ditto.
2-34	890	854	75.8	73.3	788	88	N	120	N	NE to SW	30	Ditto Sun not visible, Drizzling rain.
2-39	897	861	75.8	73.3	788	88	NNE	144	N	N to S	31	Ditto. Sun visible ditto.
2-44	899	863	75.8	73.0	776	87	NNE	168	Cl. N.	N to S	32	Ditto, ditto ditto.
2-49	896	860	75.8	72.8	767	86	N	264	Cl. N.	N to S	33	Ditto, ditto ditto.
3-4	887	851	75.8	72.8	767	86	NNW	164	S. Cu.	N to S	34	Ditto. Sun not visible, cloudy.
3-19	881	850	75.8	72.8	767	86	NNW	120	M. Cu.	NW to SE	35	Ditto. Ditto dark gloomy.
3-34	886	850	75.3	73.0	782	89	NW	192	S. Cu.	N to S	36	Ditto. Sun visible, partly cloudy.
3-49	886	851	74.8	73.0	789	92	NW	160	N	N to S	37	Sea slight. Sun not visible. Dark gloomy.
4-4	888	853	74.8	72.8	780	90	NNW	132	N	NW to SE	38	Ditto ditto ditto.

ND. 126.

Lat. 20° 28' N.

AKYAB.

Long. 92° 57' E.

Six hundred and twenty-eight miles from central line of totality. Greatest obscuration 7.

Hour.	BAROMETER.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	WIND.		Cloud kind and proportion.	Proportion of eclipse totality to.	WEATHER AND OTHER REMARKS.
	Madras time.	Corrected and reduced to 32° F.					Direction.	Amount and preceding interval in miles per hour.			
A.M.						%					
9-10	30°054	30°017	74.3	66.6	545	63	NE	"	Ncl.		Blue sky turning pale towards horizon; horizon greyish.
9-40	'044	'007	75.5	67.0	549	62	ENE	3.4	"		Do.
9-55	'040	'003	76.2	67.4	554	61	ENE	3.2	"		Do.
10-10	'038	'001	76.5	67.8	564	62	ENE	3.2	"		Do.
10-25	'031	29.994	76.9	68.2	574	62	ENE	4.8	"		Do.
10-40	'025	'988	78.3	69.6	604	61	ENE	3.6	"		Do.
10-55	'018	'981	79.1	70.1	617	61	ENE	4.4	"		Do.
11-10	'010	'973	79.5	70.3	619	61	E	4.0	"		Do.
11-25	29°995	'958	79.8	70.3	615	60	ENE	3.2	"		Do.
11-40	'993	956	81.0	70.9	623	59	E	3.6	"		Do.
11-55	'982	945	81.0	70.3	602	57	E	3.2	"		Do.
P.M.											
0-10	'978	'941	81.7	70.7	606	56	ESE	3.2	"		Do.
0-25	'974	937	81.7	70.7	606	56	ESE	4.0	"		Do.
0-40	'966	919	82.3	71.1	614	56	SSE	4.0	"		Do. obscuration commenced from S.W.
0-50	'959	'922	82.7	71.9	638	58	WSW	4.2	"	1	Do.
0-55	'959	'922	82.6	72.4	661	60	WSW	3.6	"	1	Do.
1-0	957	'920	82.1	72.9	686	63	WSW	7.2	"	2	Do.
1-5	955	918	81.9	73.3	707	65	WSW	6.0	"	3	Do. getting hazy.
1-10	'953	'918	81.7	73.3	709	65	WSW	7.2	"	4	Do. do.
1-15	953	'916	81.1	73.3	717	67	WSW	8.4	"	4	Do. do.
1-20	'953	916	80.6	73.1	716	68	WNW	6.0	"	4	Do. do.
1-25	954	917	80.1	72.9	716	70	WNW	4.8	Narrow belt of Cl.	5	Narrow belt of Cl. cloud towards east.
1-30	'954	'917	79.5	72.9	724	72	WNW	8.4	Do.	5	Do. do.
1-35	'953	'915	79.0	72.9	730	74	WNW	6.0	Do.	6	Do. do.
1-40	952	'915	78.1	73.0	745	78	WNW	6.0	Do.	6	Do. getting more hazy.
1-45	946	'909	77.5	73.0	753	80	WNW	3.6	Do.	6	Do. Do.
1-50	'944	'907	77.0	73.4	776	84	WNW	4.8	Do.	6	Do. Do.
1-55	'942	'905	77.0	73.5	780	84	WNW	4.8	Do.	6	Do. Do.
2-0	'942	'905	77.0	73.2	768	83	WNW	3.6	Do.	7	Do. Do.
2-5	'942	'905	76.4	72.9	763	84	WNW	6.0	Do.	6	Do. Do.
2-10	934	897	76.6	73.0	765	84	WNW	3.6	Ncl.	5	Blue sky turning pale towards horizon. Horizon greyish but getting brighter.
2-15	'935	898	76.6	72.9	760	83	WNW	4.8	"	4	Do. do. getting brighter.
2-20	'935	'898	76.4	72.9	763	84	WNW	4.8	"	3	Do. do. do.
2-25	'930	'893	77.1	72.9	753	81	WNW	4.8	"	3	Do. do.
2-30	'930	'893	77.1	72.9	753	81	WNW	3.6	"	2	Do. do.
2-35	'930	'893	77.0	72.6	744	80	WNW	4.8	"	2	Do. do.
2-40	928	891	77.2	72.0	716	76	WNW	3.6	"	1	Do. do.
2-45	'928	891	77.8	71.9	703	74	WNW	7.2	"		Bright, sea's disc clear.
2-55	'926	'889	78.0	71.7	694	73	WNW	5.4	"		Do.
3-10	'926	889	77.8	70.1	644	66	NW	4.0	"		Do.

No. 127. Lat. 25° 25' N.

HYDERABAD (Sind).

Long. 68° 27'E.

Six hundred and fifty miles from central line of totality. Greatest obscuration 6.

Hour.	Barometer.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind.		Cloud, kind and direction of motion.	Proportion of eclipse totality to.	WEATHER AND OTHER REMARKS.
	Madras time.	Corrected and reduced to 32°F.					Direction.	Amount since preceding interval, in miles per hour.			
A.M.											
10-0	30°002	30°055	67.7	56.9	321	47	Calm	...	A. C., S.W. to N.E.		10 A.M. to 11-30 A.M. Nothing unusual.
10-15	30°003	30°056	68.4	57.0	315	45	Calm	1.2	Do.		
10-30	30°008	30°060	71.7	58.6	321	42	Calm	0.8	Do.		
10-45	30°010	30°062	73.4	59.4	322	39	Calm	0	Do.		
11-0	30°006	30°058	74.5	59.6	313	36	Calm	0	Do.		
11-15	30°001	30°053	74.4	59.3	305	36	WNW	2.0	Do.		
11-30	29°997	30°048	75.0	60.0	319	37	Calm	0.4	Do.		
11-45	29°996	30°046	78.3	61.3	317	32	SSW	1.6	Do.	1	11-45 A.M. to 1-45 P.M. Passing whitish clouds varying from 2 to 5 in amount. Sky blue and clear where cloudless. Nothing unusual observed in sky or clouds during eclipse.
11-50	29°994	30°044	77.7	61.4	320	34	Calm	0	Do.	1	
11-55	29°992	30°042	78.5	61.4	318	32	...	...	Do.	2	
12-0 P.M.	29°988	30°033	79.0	61.4	312	31	...	...	Do.	2	
12-5	29°985	30°031	79.5	61.6	311	30	SW	1.6	Do.	2	
0-10	29°985	30°035	79.0	61.4	312	31	...	...	Do.	3	
0-15	29°981	30°031	80.0	61.9	315	31	...	...	Do.	3	
0-20	29°979	30°029	79.5	61.4	308	30	SW	3.2	Do.	3	
0-25	29°975	30°025	79.7	62.0	321	32	...	...	Do.	4	
0-31	29°975	30°025	79.5	61.6	311	30	...	...	Do.	4	
0-35	29°973	30°023	79.5	61.6	311	30	...	...	Do.	4	
0-40	29°969	30°019	79.5	61.6	317	31	SSW	0.9	Do.	4	
0-45	29°969	30°019	79.1	61.7	320	32	...	...	Do.	5	
0-50	29°967	30°017	79.3	62.4	339	33	...	...	Do.	5	
0-55	29°937	30°007	78.7	61.9	332	33	SSW	2.8	Do.	5	
1-0	29°935	30°005	78.8	61.6	320	32	...	...	Do.	5	
1-5	29°933	30°003	78.3	61.3	317	32	...	...	Do.	6	
1-10	29°919	29°999	77.8	61.3	324	34	SW	2.6	Do.	6	
1-15	29°919	29°999	78.0	61.3	321	34	...	...	Do.	6	
1-20	29°917	29°997	78.4	61.4	319	32	...	...	Do.	6	
1-25	29°915	29°995	78.4	61.4	319	32	SW	1.2	Do.	5	
1-30	29°911	29°991	78.5	61.5	321	32	...	...	Do.	5	
1-35	29°911	29°991	78.8	61.6	320	32	...	...	Do.	4	
1-40	29°915	29°995	79.0	62.2	337	33	Calm	0.4	Do.	4	
1-45	29°913	29°993	79.5	62.4	337	33	...	...	Do.	3	
1-50	29°911	29°991	79.5	62.4	337	33	...	...	Do.	3	
1-55	29°907	29°987	80.5	62.4	324	31	Calm	0.4	Do.	2	
2-0	29°917	29°997	80.7	62.6	328	31	...	...	Do.	2	
2-5	29°925	29°005	81.2	62.6	321	30	...	...	Do.	2	
2-10	29°923	29°993	81.5	62.6	317	29	Calm	0.4	Do.	2	
2-15	29°911	29°981	81.6	62.6	315	29	...	...	Do.	2	
2-20	29°917	29°987	82.5	62.6	313	27	...	...	Do.	1	
2-25	29°913	29°983	83.0	62.6	297	26	WSW	6.0	Do.	1	
2-30	29°916	29°986	83.0	63.3	320	28	...	...	Do.		
2-35	29°918	29°988	84.1	63.3	305	26	SSW	3.6	Do.		
2-40	29°914	29°984	84.2	63.2	301	26	SW	2.8	Do.		
2-45	29°911	29°981	84.5	62.9	287	25	SW	6.4	Do.		
2-50	29°915	29°985	85.4	63.2	285	23	SSW	3.6	Do.		
2-55	29°911	29°981	86.5	63.6	283	22	SSW	4.0	Do.		
3-0	29°909	29°979	86.1	63.4	282	21	SW	4.0	Do.		

Six hundred and sixty three miles from central line of totality Greatest obscuration 5

Hour	BAROMETER.		Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure	Relative humidity	WIND		Cloud proportion	Proportion of ecl. pos. totality to.	WEATHER AND OTHER REMARKS.
	Corrected and reduced to 32°F	Reduced to sea level and constant gravity					Direction	Amount since preceed or moved in miles per hour			
A.M.											
8 56	29.804	30.031	74.6	63.2	426	50	SW		Ni		Fne clear weather
9 11	800	026	76.2	63.4	415	45	SW	36	"		
9 26	800	026	77.4	64.6	440	47	SW	20	"		
9 41	799	024	78.2	65.2	449	46	SW	24	"		
9 56	820	046	78.6	65.4	451	45	SW	60	"		
10 11	818	043	79.2	65.8	456	46	SW	32	"		
10 26	820	044	79.6	66.2	465	46	SW	32	"		
10 41	819	043	80.2	66.4	466	45	SW	32	"		
10 56	820	042	81.8	67.2	473	43	SW	36	"		
11 11	820	042	81.8	67.2	473	44	SW	104	"		
11 26	822	045	82.4	67.6	479	43	SW	124	"		
11 41	698	29.919	82.8	67.8	480	43	SW	16	"		
11 56 P.M.	698	919	83.0	68.0	485	43	SW	60	"		Ditto
0 11	690	911	83.3	67.6	465	40	SW	04	"		
0 26	685	906	84.3	68.2	476	40	SW	68	"		
0 41	678	898	84.7	68.2	470	39	SW	08	"		
0 46	677	897	84.7	68.2	470	39	SW	12	"		
0 51	677	898	84.3	67.6	453	39	SW		"		
0 56	677	897	84.7	68.2	470	39			"	3	
1 1	677	898	84.1	67.4	449	38	W	08	"		
1 6	672	893	84.3	67.2	439	37			"	4	
1 11	669	890	84.1	68.2	478	40			"		
1 16	668	889	84.1	68.2	478	40	W	116	"	5	
1 21	668	889	82.6	66.4	433	38			"		
1 26	668	889	82.6	66.4	433	38			"		
1 31	668	889	82.6	66.4	433	38	W	04	"		
1 36	648	869	82.2	66.2	431	39			"		
1 41	648	869	82.2	66.2	431	39			"		
1 46	660	882	82.2	66.2	431	39	W	0	"		
1 51	660	882	82.2	66.2	431	39			"		
1 56	660	882	82.2	66.2	431	39			"		
2 1	660	882	82.2	66.2	431	39	W	0	"		
2 6	660	882	82.2	66.2	431	39			"		
2 11	654	875	82.6	66.4	433	38			"		
2 16	654	875	82.6	66.4	433	38	W	08	"		
2 21	646	866	83.3	66.6	430	38			"		
2 26	644	864	83.3	64.6	360	31			"		
2 31	656	876	83.3	66.2	416	36	W	0	"		
2 36	658	879	83.3	66.2	416	36			"		
2 41	658	879	83.3	66.2	415	35			"		
2 46	658	879	83.5	65.6	392	34	W	04	"		
2 56	658	879	83.0	66.0	413	36	W	18	"		
											Ditto Sky blue from commencement to termination of eclipse

No. 129. Lat. 24° 47' N.

KURRACHEE.

Long. 67° 4' E.

Six hundred and eighty-two miles from central line of totality. Greatest obscuration 6.

Hour.	Barometer.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind.		Cloud.			Proportion of eclipse, totality 10.	Weather and other remarks.
	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.					Direction.	Amount since preceding interval, in miles per hour.	Proportion.	Kind.	Direction of motion.		
Madrass time.						%							
A.M.													
10-53	30.075	30.056	78.0	69.2	.597	62	WNW	...	4	Cl. Cu.	W to N & NNE.		} Fine weather with passing clouds. Neighbourhood of the sun clear and bright.
11-8	.075	.056	78.7	68.9	.577	59	WNW	6.0	4	Cl. Cu.	W to N & NNE.		
11-23	.075	.056	79.0	68.9	.573	58	W	9.2	4	Cl. Cu.	W to N & NNE.		
11-38	.072	.053	80.1	69.1	.565	55	W	9.2	4	Cl. S.	W to N		Ditto. Wind increasing slightly.
11-43	.066	.047	80.2	68.4	.538	52	W	30.0	4	Cl. S.	W to NE		
11-48	.064	.045	80.3	68.3	.532	51	W	3.6	4	Cl. S.	W to NE		Ditto.
11-53	.064	.045	80.4	68.5	.538	51	W	2.4	4	Cl. S.	W to NE	1	
11-58	.062	.043	80.5	68.7	.535	52	W	3.6	4	Cl. S.	W to NE		Ditto.
P.M.													
0-3	.060	.041	80.8	68.8	.544	52	W	3.6	3	Cl. S.	W to NE		Ditto.
0-8	.058	.039	80.3	68.2	.529	51	W	8.4	3	Cl. S.	W to NE	2	
0-13	.056	.037	80.3	68.2	.529	51	W	9.6	3	Cl. S.	W to NE		Ditto. Clouds diminishing fast.
0-18	.054	.035	80.2	68.6	.545	53	W	13.2	2	Cl. S.	W to NE		
0	.052	.033	79.9	69.1	.568	56	WSW	7.2	2	Cl. S.	W to NE	3	Ditto.
0-28	.050	.031	79.7	69.4	.582	57	WSW	10.8	1	Cl. S.	WSW. to NE		
0-33	.048	.029	79.4	69.7	.597	59	WSW	10.8	1	Cl. S.	WSW. to NE		Ditto. Clouds clearing away towards N. E. Atmosphere getting clear and cool.
0-38	.046	.027	78.9	70.1	.620	62	WSW	8.4	1	Cl. S.	WSW. to NE.	4	
0-43	.042	.023	78.8	70.2	.625	63	WSW	7.2	1	Cl. S.	WSW. to NE.		Ditto.
0-48	.038	.019	78.4	70.3	.634	65	WSW	6.0	1	Cl. S.	W to NE.		
0-53	.036	.017	77.9	69.9	.645	65	WSW	8.4	NH	...	...		5
0-58	.034	.015	78.2	70.1	.649	65	WSW	9.6	"	...	...
1-3	.032	.013	77.9	69.3	.603	63	WSW	8.4	"	...	...		6
1-8	.032	.013	77.8	69.3	.604	63	W	9.6	"	...	...
1-13	.028	.009	77.6	69.4	.610	64	W	6.0	"	...	...		Ditto.
1-18	.026	.007	77.4	69.1	.602	64	WSW	8.4	"	...	...
1-23	.024	.005	78.0	69.9	.624	65	WSW	9.6	"	...	...		5
1-28	.024	.005	78.1	70.0	.626	65	WSW	7.2	"	...	...
1-33	.022	.003	78.4	68.1	.550	57	WNW	7.2	"	...	...		4
1-38	.020	.001	78.7	68.0	.542	55	WNW	9.6	"	...	...
1-43	.016	29.997	79.0	67.9	.536	54	WNW	7.2	"	...	...		Weather exceptionally clear. Temperature rising.
1-48	.014	.995	79.1	68.0	.538	54	WNW	8.4	"	...	...
1-53	.012	.993	79.2	68.1	.540	54	WSW	4.8	"	...	...		3
1-58	.010	.991	79.5	68.1	.535	53	WNW	9.6	"	...	...
2-3	.010	.991	79.9	68.1	.530	52	W	8.4	"	...	...		2
2-8	.008	.989	80.2	67.9	.519	50	WSW	9.6	"	...	...
2-13	.005	.980	80.6	67.7	.506	48	WNW	9.6	"	...	...		Fine weather with passing clouds.
2-18	.003	.984	80.8	67.3	.489	46	W	10.8	"	...	...
2-23	.003	.984	80.9	67.8	.506	48	WNW	9.6	1	Cl. S.	WSW to NNE.		Ditto.
2-28	.001	.982	81.4	67.9	.503	47	WNW	7.2	1	Cl. S.	WSW to NNE.	1	
2-33	.001	.982	82.0	68.2	.506	46	WNW	9.6	2	Cl. S.	WSW to NNE.		Ditto.
2-38	.001	.982	82.1	68.3	.508	46	WNW	10.8	2	Cl. S.	WSW to NNE.		
2-53	29.999	.980	82.5	67.3	.466	42	W	6.4	3	Cl. Cu.	W to NE	0	Fine clear weather. Wind increasing
3-8	.999	.980	82.8	68.2	.496	44	WSW	8.4	NH	Cl. S.	W to NNE.		
3-23	.999	.980	82.6	68.1	.494	44	WSW	8.8	2	Cl. S.	W to NE		Ditto. Strong winds.
3-38	.996	.977	82.9	70.1	.566	50	WSW	7.6	1	Cl. Cu.	WNW to NE.		
3-53	.996	.977	82.6	69.7	.554	49	WSW	12.8	NH	...	...		Ditto.
4-8	.996	.977	82.5	69.3	.540	48	WSW	6.8	"	...	...
4-23	.998	.979	82.5	70.3	.578	52	WSW	8.4	"	...	...		Ditto.
4-38	30.000	.981	82.0	69.7	.562	51	WSW	9.2	"	...	...
4-53	.004	.985	82.1	71.6	.615	58	WNW	10.0	"	...	...

Long
Six hundred and twenty-three miles from central line of totality. Greatest obscuration 7

Hour	BAROMETER		Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure	Relative humidity	WIND		CLOUD		Direction of motion	Proportion of total visibility	Nocturnal radiation thermometer corrected	Solar radiation thermometer corrected	WEATHER AND OTHER REMARKS
	Corrected and reduced to 32° F.	Reduced to sea level and on constant gravity					Direction	Amount since preceding interval in miles per hour	Proportion	Kind					
10-24	29.339	30.046	63.7	54.3	299	50	Calm								
10-39	345	051	64.4	54.1	283	47	Calm			A Cu	W to E		77.3	117.0	10-24 A.M. to 10-39 A.M. Partial clouds colour white and transparent averaging from W.
10-54	359	064	65.8	54.5	277	43	W			A. Cu	W to E		77.3	117.0	
11-9	345	048	66.5	54.5	263	40	Calm	0.8		A. Cu	W to E		77.6	118.2	
11-24	332	033	67.6	54.5	254	37	W	0.8			"		78.5	121.0	Blue sky
11-39	332	032	68.5	55.9	281	41	NW	0.8					80.7	121.2	Do.
11-54 P.M.	325	023	69.6	56.3	279	38	WNW	1.6			W to E		84.7	126.0	Do W
0-9	319	015	70.8	57.1	287	38	WNW	1.2			"		83.5	124.2	Do
0-14	317	013	71.0	57.2	286	38	SW	1.2			W to E	0.5	84.7	126.0	0-9 P.M. to 3-14 P.M. clouds averaging from W, excepting from 0-5 P.M. to 1-5 P.M. and 2-5 P.M. from W S W. Clouds commenced at 0-9 P.M. from SW and ended at 1-14 P.M. about 4-45 P.M. extending all over the sea leaving a little pale for the W unaffected. Both the external and internal contents of shadows were thoroughly visible. The light of the sun in the middle of the escape became a little pale or yellowish white in the weather and the sky were quite clear.
0-19	317	012	71.4	57.4	287	37	Calm	1.2			W to E	1	83.7	124.2	
0-24	314	009	71.7	57.4	283	36	W	1.2			W to E	2	83.7	122.0	
0-29	309	003	71.8	58.2	306	40	Calm	1.2			W to E	2	82.9	119.2	
0-34	308	002	72.0	58.4	310	40	S	1.2		A Cu	W to E	3	82.9	118.8	
0-39	308	002	71.8	57.9	296	38	Calm	0			W to E	3	84.2	118.0	
0-44	302	99.96	71.8	57.9	296	38	Calm	0	2		W to E	3	82.9	116.0	
0-49	300	994	71.8	58.1	303	39	W	1.2	2		W to E	3	82.5	111.0	
0-54	300	994	71.8	57.9	296	38	WNW	1.2	2		W to E	3	82.0	110.0	
0-59	300	994	71.8	58.2	306	40	Calm	1.2	2		W to E	4	80.2	107.0	
1-4	303	997	71.8	58.2	306	40	Calm	0	1	A Cu	WSW to FNE	4	79.7	102.5	
1-9	298	992	71.8	58.2	306	40	Calm	0	1	A Cu	WSW to ENE	4	78.3	98.5	
1-14	298	992	71.8	58.2	306	40	Calm	1.2	1	A Cu	WSW to ENE	5	77.5	95.5	
1-19	298	993	71.6	58.2	308	40	Calm	0	1	A Cu	WSW to ENE	6	76.8	94.0	
1-24	296	991	71.6	58.4	315	41	Calm	0	1	A Cu	WSW to ENE	6	76.0	92.6	
1-29	291	986	71.6	58.7	324	42	Calm	1.2	2		WSW to FNE	7	75.0	89.8	
1-34	289	983	71.6	58.9	331	43	Calm	0	2	A Cu	WSW to ENC	7	74	89.2	
1-39	289	983	71.6	58.4	315	41	Calm	0	3		WSW to ENC	7	74.2	88.8	
1-44	287	981	71.6	58.4	315	41	Calm	0	3		W to E	7	74.2	88.2	
1-49	287	981	71.6	58.5	319	42	Calm	0	2		W to E	6	74.1	89.2	
1-54	287	981	71.6	58.5	319	42	Calm	0	2		W to E	5	75.0	90.6	
1-59	279	972	71.8	58.4	312	40	Calm	0	2		W to E	4	75.3	93.8	
2-4	283	976	71.8	59.0	331	43	Calm	0	2		W to E	3	76.8	96.7	
2-9	287	980	72.0	58.7	319	41	Calm	0	2		W to E	2	78.0	100.0	
2-14	279	972	72.3	58.9	321	41	Calm	0	2		W to E	2	79.1	104.2	
2-19	279	971	72.6	58.2	295	37	Calm	0	2		W to E	2	81.2	108.0	
2-24	279	971	72.6	58.2	295	37	Calm	0	2		W to E	1	81.5	110.8	
2-29	277	969	72.9	58.2	291	36	Calm	0	2		W to E	1	83.7	114.8	
2-34	277	968	73.5	58.4	290	35	N	1.2	2		W to E	1	83.7	117.2	
2-39	277	968	73.5	58.8	302	38	N	1.2	2		W to E	0.5	84.7	120.0	
2-44	277	968	73.7	59.1	309	39	N	2.4	2		W to E	0.3	80.3	122.0	
2-54	273	964	73.4	59.1	313	38	N	0	2		W to E	0.3	85.7	123.8	
3-9	275	965	74.3	58.9	295	35	Calm	1.2	3		WSW	0.3	84.9	123.8	
3-14	277	966	74.7	59.2	299	35	Calm	0.8	3		W to E		84.5	122.0	
3-19	278	967	75.1	59.2	293	33	Calm	1.2	0		W to E		83.4	120.0	
3-24	280	968	75.6	60.0	312	33	Calm	0.4	2		W to E		83.3	118.0	
4-9	280	968	75.6	60.0	312	33	Calm	0.4	2		W to E		80.7	116.2	Blue sky
4-14	280	973	75.8	60.2	318	35	Calm	0.4	2		W to E		81.7	103.5	
					316	35	Calm	0.4	2		W to E		80.7	111.0	

Seven hundred miles from central line of totality. Greatest obscuration 5.

Hour.	Barometer.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapor pressure.	Relative humidity.	Wind.		Cloud.		Weather and other remarks.
						Direction.	Average speed preceding interval, in miles per hour.	Proportion.	Kind.	
Madras time.	Corrected and reduced to 32° F.									
A.M.										
10-10	19822	26.1	22.0	.085	62	SW	...	...	...
10-15	820	27.1	22.0	.079	54	...	...	...	...
10-20	815	27.1	22.0	.079	52	...	...	...	...
10-25	813	27.1	22.0	.078	52	SW	12	3	...	
10-30	805	27.9	22.8	.082	55	...	...	...	...
10-35	805	28.1	22.8	.079	53	...	...	...	...
10-40	810	28.1	22.8	.079	53	SW	16	4	...	
10-45	809	29.1	23.5	.082	53	...	...	...	...
10-50	801	29.0	23.4	.081	51	...	...	...	...
10-55	801	29.1	23.5	.082	53	SW	16	5	...	
11-0	807	29.1	23.5	.082	53	...	...	...	...
11-5	807	29.1	23.5	.082	53	SW	116	5	...	
11-10	799	29.1	23.5	.082	53	...	...	...	...
11-15	793	29.4	23.5	.080	49	...	...	...	...
11-20	793	29.9	23.5	.076	46	...	...	...	...
11-25	789	30.1	24.0	.081	49	SW	44	6	...	
11-30	788	30.1	24.0	.081	49	...	...	...	...
11-35	788	30.1	24.0	.081	49	...	...	...	...
11-40	786	30.6	24.3	.080	47	SW	64	5	...	
11-45	786	30.6	24.4	.081	48	...	...	...	...
11-50	783	30.6	24.4	.081	48	...	...	...	...
11-55	783	30.9	24.5	.082	47	SW	120	4	...	
12-0	777	31.0	24.8	.083	49	...	...	...	...
P.M.										
0-5	777	31.0	25.0	.087	50	...	...	...	...
0-10	777	31.1	25.3	.089	53	SW	28	5	...	
0-15	773	31.6	25.3	.085	48	...	...	...	...
0-20	773	31.7	25.4	.085	48	...	...	...	...
0-25	768	31.9	25.5	.087	48	SW	152	6	...	
0-30	768	32.0	25.5	.086	48	...	...	...	...
0-35	765	32.1	26.0	.092	51	...	...	...	...
0-40	764	32.1	26.0	.092	51	SW	56	5	...	
0-45	764	31.9	25.3	.084	47	...	...	...	...
0-50	764	31.9	25.3	.084	47	...	...	...	...
0-55	764	31.9	25.3	.084	44	SW	48	6	...	
1-0	758	31.9	24.5	.074	41	...	...	...	...
1-5	754	31.9	24.5	.074	41	...	...	...	...
1-10	752	31.9	24.5	.074	41	SW	32	5	...	
1-15	744	31.9	24.5	.074	41	...	...	...	...
1-20	742	31.9	24.5	.074	41	...	...	...	...
1-25	742	31.8	24.3	.072	39	SW	08	6	...	
1-30	732	31.7	24.0	.067	38	...	...	...	...
1-35	729	31.4	23.8	.068	39	...	...	...	...
1-40	725	31.4	23.8	.068	39	SW	20	7	...	
1-45	726	31.1	23.5	.066	39	...	...	...	...
1-50	726	31.1	23.5	.066	39	...	...	...	...
1-55	722	31.1	23.5	.066	39	SW	68	6	...	
2-0	720	31.1	23.5	.066	39	...	...	...	...
2-5	720	31.1	23.5	.066	39	...	...	...	...
2-10	720	31.1	23.5	.066	39	SW	24	7	...	
2-15	718	31.1	23.5	.066	39	...	...	...	...
2-20	718	31.1	23.5	.066	39	...	...	...	...
2-25	718	31.4	23.8	.068	39	SW	20	8	...	
2-30	715	31.0	24.1	.071	39	...	...	...	...
2-35	707	31.9	24.4	.072	39	...	...	...	...
2-40	707	31.9	24.4	.072	39	SW	16	9	...	
2-45	707	31.9	24.4	.072	39	...	...	...	...
2-50	707	31.9	24.4	.072	39	...	...	...	...
2-55	707	31.9	24.4	.072	39	SW	24	8	...	
3-0	703	31.9	24.4	.072	39	...	...	...	...
3-5	703	31.9	24.4	.072	39	...	...	...	...
3-10	703	31.9	24.4	.072	39	SW	28	7	...	
3-15	703	31.9	24.4	.072	39	...	...	...	...
3-20	707	31.9	24.4	.072	39	...	...	...	...
3-25	707	31.9	24.4	.072	39	SW	02	8	...	
3-30	707	31.9	24.4	.072	39	...	...	...	...
3-35	707	31.9	24.4	.072	39	...	...	...	...
3-40	707	31.9	24.4	.072	39	SW	36	9	...	
3-45	711	31.9	24.4	.072	39	...	...	...	...
3-50	711	31.9	24.4	.072	39	...	...	...	...
3-55	711	31.9	24.4	.072	39	SW	16	8	...	
4-0	711	31.9	24.4	.072	39	...	...	...	...
4-5	707	31.9	24.4	.072	39	...	...	...	...
4-10	707	31.9	24.3	.071	39	SW	28	7	...	

Cloud amount increasing rapidly in NE.

Direction of higher clouds, SW, to NE; a few seem to move in opposite direction.

Cl. seems to develop into tin. All clouds in SW. look dark in the centre.

Colour of clouds very grey, (yellowish).

All the sky rather misty.

Seven hundred and five miles from central line of totality Greatest obscuration 6

Hour	Barometer		Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure	Relative humidity	Wind		Cloud		Proportion of totality	Weather and other remarks
	Corrected and reduced to 32°F	Reduced to sea level and constant gravity					Direction	Amount & direction preceding interval in miles per hour	Proportion	Kind		
A.M.						%						
10-28	29.503	30.051	69.1	55.6	265	38	Calm		1	CI S		
10-43	51.1	058	70.4	56.6	277	38	Calm	0	1	CI S		
10-58	507	052	72.1	57.1	269	34	Calm	12	1	CI S		
11-13	505	049	73.1	57.3	262	32	WSW	08	1	CI S		
11-28	498	040	74.1	57.6	257	31	W	16	1	CI S		
11-43	489	031	74.1	57.6	257	31	SW	16	1	CI S		
11-58	481	020	75.9	58.6	264	30	SW	32	1	CI S		
P.M.												
0-23	479	016	76.3	58.4	251	27	SW	36	1	CI S	1	Eclipse commenced at 8 P.M.
0-23	470	007	76.3	58.1	244	27	WSW	42	1	CI S	1	
0-28	468	007	75.9	58.1	249	27	S	48	1	CI S	2	Daylight dim obscured part of the sun looked red sky clear
0-33	466	003	76.4	58.4	251	27	W	36	1	CI S	2	Ditto ditto.
0-38	464	001	76.1	58.1	246	27	SSW	48	1	CI S	3	
0-43	460	29997	76.6	58.1	240	26	SW	60	1	CI S	3	
0-48	458	995	76.6	58.6	255	26	SSW	48	1	CI S	3	
0-53	456	993	76.1	58.1	246	27	SSW	60	1	CI S	4	
0-58	454	991	76.6	58.9	263	29	SSW	48	1	CI S	4	Clouds grey sh white, sky blue daylight dim and slightly reddish
1-3	454	991	76.1	58.1	246	27	SSW	60	1	CI S	4	Ditto.
1-8	452	991	75.9	58.1	249	27	SSW	36	1	CI S	4	Ditto.
1-13	450	989	76.1	58.1	246	27	SSW	36	1	CI S	5	Ditto.
1-18	448	987	75.6	57.9	247	28	W	60	1	CI S	5	Ditto.
1-23	446	985	75.4	57.6	240	27	W	84	1	CI S	6	Ditto.
1-28	446	985	75.3	57.6	242	28	W	60	1	CI S	6	Ditto.
1-33	446	985	75.3	57.9	249	28	W	48	1	CI S	5	Daylight increasing
1-38	444	983	75.1	57.5	242	28	SW	84	1	CI S	5	Ditto.
1-43	444	983	75.1	57.6	244	28	SW	96	1	CI S	5	Ditto.
1-48	441	980	75.6	58.1	253	28	SW	96	2	CI S	5	Ditto.
1-53	439	978	75.6	58.1	253	28	SSW	72	2	CI S	4	Ditto.
1-58	439	976	76.1	58.1	246	27	SSW	72	2	CI S	4	Ditto.
2-3	437	974	76.1	58.1	246	27	SW	84	2	CI S	3	Ditto.
2-8	437	973	76.9	58.9	260	28	S	72	2	CI S	3	Ditto.
2-13	435	971	77.3	59.1	261	27	S	84	2	CI S	2	Ditto.
2-18	432	968	77.1	58.9	258	28	S	96	2	CI S	2	Ditto.
2-23	432	968	77.1	58.9	258	27	S	30	2	CI S	1	Ditto.
2-28	432	967	78.1	59.3	256	26	SW	72	2	CI S	1	Ditto.
2-33	430	966	77.4	59.1	250	27	SSW	144	2	CI S	1	Ditto.
2-38	430	966	77.8	59.3	260	27	SW	84	2	CI S	1	Eclipse terminated
2-43	430	966	77.3	59.4	269	28	SW	54	2	CI S	1	Fine weather with passing clouds.
2-48	430	966	78.1	60.1	282	28	SSW	102	2	CI S	1	Ditto.
2-53	428	964	77.9	60.1	284	29	S	76	2	CI S	1	Ditto.
3-8	424	959	78.6	60.4	284	28	SW	64	2	CI S	1	Ditto.
3-13	427	962	78.1	60.3	288	29	WSW	84	2	CI S	1	Ditto.
3-18	423	968	78.4	60.9	303	31	WSW	76	2	CI S	1	Ditto.
3-23	423	968	78.1	60.6	297	31	SSW	44	2	CI S	1	Ditto.
3-28	423	973	77.8	60.6	301	31	SW	76	2	CI S	1	Ditto.

Seven hundred and twenty-two miles from central line of totality. Greatest obscuration 7.

Hour.	Barometer.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind.		Cloud proportion.	Proportion of eclipse, totally so.	Weather and other remarks.
						Direction.	Amount since preceding interval, in miles per hour.			
Madras time.	Corrected and reduced to 32° F.				%					
A.M.										
9-1	29.865	76.0	64.6	.458	50	ESE	...	Nil		Fine clear weather; whole sky blue.
9-16	.858	77.0	64.9	.455	49	ESE	2.4	"		Ditto ditto
9-31	.854	78.5	65.9	.470	48	ENE	2.8	"		Ditto ditto
9-46	.849	79.5	66.0	.460	46	NE	2.4	"		Ditto ditto
10-1	.841	80.6	66.5	.463	45	NNE	2.8	"		Ditto ditto
10-16	.837	81.8	66.7	.454	42	ENE	2.0	"		Ditto ditto
10-31	.824	82.6	66.5	.437	40	NNE	3.2	"		Ditto ditto
10-46	.817	83.1	66.7	.436	39	ESE	2.4	"		Ditto ditto
11-1	.804	83.7	66.2	.410	35	Calm	3.2	"		Ditto ditto
11-16	.792	84.7	66.8	.418	35	NNE	2.4	"		Ditto ditto
11-31	.784	84.7	66.0	.390	33	ENE	5.2	"		Ditto ditto
11-46	.771	85.7	66.8	.405	33	E	3.2	"		Ditto ditto
P.M.										
0-1	.761	86.7	66.7	.388	31	E	3.2	"		Ditto ditto
0-16	.751	86.9	66.9	.393	31	ESE	3.6	"		Ditto ditto
0-31	.741	87.7	67.3	.396	30	Calm	1.2	"		Ditto ditto
0-46	.737	89.4	65.5	.310	23	W	4.0	"		Eclipse began; sun obscured at its lower part. The wind was strong.
0-51	.730	89.0	65.7	.322	23	...	...	"
0-56	.733	89.4	66.0	.327	23	...	...	"
1-1	.727	89.7	66.5	.341	25	SSE	5.2	"	1	Clouds of cirrus type seen towards north-west, but not passing.
1-6	.725	89.5	65.9	.323	23	...	...	"
1-11	.723	89.7	65.7	.313	23	...	...	"
1-16	.722	89.7	65.8	.316	23	SSW	5.6	"	2	
1-21	.724	89.8	66.0	.322	23	...	...	"
1-26	.719	89.8	64.9	.284	20	...	...	"
1-31	.717	89.4	64.9	.289	21	SSW	4.4	"	4	Ditto seen towards south.
1-36	.717	88.8	63.9	.263	19	...	...	"
1-41	.719	88.7	63.3	.243	18	...	...	"		Clouds seen towards S and NW were disappearing, and the sun shines dim.
1-46	.717	88.7	63.2	.240	18	WSW	7.2	"	5	
1-51	.717	88.4	64.2	.278	21	...	...	"	6	Cirrus clouds towards S disappeared totally.
1-56	.717	88.4	63.7	.261	20	...	...	"
2-1	.711	87.9	63.6	.265	20	WSW	6.0	"	7	
2-6	.713	87.6	63.0	.249	19	...	...	"
2-11	.712	87.7	63.1	.251	19	...	...	"
2-16	.710	87.5	62.8	.243	19	WSW	8.4	"	5	
2-21	.710	87.7	63.2	.254	19	...	...	"	1	
2-26	.708	87.7	63.2	.254	19	...	...	"	4	
2-31	.708	87.5	62.6	.236	18	WSW	8.4	"	3	
2-36	.706	87.7	62.6	.234	18	...	...	"	2	
2-41	.704	87.7	62.2	.221	17	...	...	"
2-46	.704	87.7	62.1	.218	17	WSW	10.0	"	1	
2-51	.704	87.4	61.8	.212	17	...	...	"
2-56	.704	87.7	61.9	.211	16	...	...	"		Very little part of the sun is obscured.
3-1	.704	87.7	62.1	.218	17	WSW	14.4	"		3-6 P.M. sun was seen clear.

No. 134. Lat. 32° 29'N.

SIALROT.

Long. 74° 35'E.

Seven hundred and thirty-five miles from central line of totality. Greatest obscuration 7.

Hours.	BAROMETER.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind.		Clouds.		Proportion of eclipse, totality to.	WEATHER AND OTHER REMARKS.
	Corrected and reduced to 32° F.	Reduced to sea level and constant gravity.					Direction.	Amount since preceding interval, in miles per hour.	Proportion.	Kind.		
A.M. 10-0	29.202	30.050	59.6	51.9	287	56	Calm	...	3	Cl.		Cloudy. Sun shining brightly.
10-15	204	048	61.6	52.4	274	49	Calm	0	3	Cl.		Ditto. Ditto.
10-30	205	045	63.8	53.8	283	48	Calm	0	3	Cl.		Ditto. ditto.
10-45	207	045	65.0	54.9	299	49	Calm	0	3	Cl.		Ditto. ditto.
11-0	209	046	66.1	56.0	317	49	WSW	1.2	3	Cl.		Ditto. ditto.
11-15	201	036	67.0	56.3	314	47	Calm	0.8	3	Cl.		Ditto. ditto.
11-30	198	031	68.0	57.3	330	48	Calm	0.8	2	Cl.		Ditto. ditto.
11-45	194	027	68.4	57.2	322	46	SW	2.1	2	Cl.		Ditto. ditto.
12-0	186	018	69.2	57.7	326	46	WNW	2.8	2	Cl.		Ditto. ditto.
P.M. 0-10	186	014	70.8	59.0	345	45	Calm	1.8	2	Cl.	1	Ditto. Eclipse commenced.
0-15	182	010	70.8	59.1	348	46	Calm	0	3	Cl.		Ditto.
0-20	179	006	71.0	59.2	348	45	Calm	0	3	Cl.		Ditto.
0-25	177	002	71.8	59.4	343	43	Calm	0	3	Cl.	2	Ditto.
0-30	177	002	71.8	59.2	328	43	WNW	6.0	4	Cl.		Ditto.
0-35	175	002	71.8	59.2	328	43	Calm	0	4	Cl.	3	Ditto.
0-40	171	29.997	71.4	58.6	325	42	...	...	4	Cl.	4	Ditto. Cloud around the sun.
0-45	171	996	71.8	59.2	338	43	Calm	0.6	5	Cl.		Ditto.
0-50	169	995	71.6	58.8	327	42	Calm	0	5	Cl.		Ditto. Sun covered by thin layer of clouds.
0-55	166	992	71.6	58.4	316	41	Calm	0	5	Cl.	5	Ditto.
1-0	162	987	71.8	59.2	338	43	Calm	0	5	Cl.		Ditto.
1-5	160	985	71.8	59.2	338	43	Calm	0	5	Cl.		Ditto.
1-10	158	984	71.4	58.6	325	42	Calm	0	5	Cl.	6	Ditto.
1-15	158	985	71.2	58.2	313	42	Calm	0	5	Cl.		Ditto.
1-20	154	981	70.8	59.0	345	45	Calm	0	5	Cl.	7	Ditto. Cloud around the sun.
1-25	154	980	71.4	59.4	348	45	Calm	0	5	Cl.		Ditto.
1-30	154	981	71.0	59.2	348	45	Calm	0	5	Cl.	6	Ditto.
1-35	153	978	71.0	59.2	348	45	Calm	0	5	Cl.		Ditto.
1-40	152	979	71.0	59.2	348	45	Calm	0	5	Cl.		Ditto.
1-45	150	976	71.6	59.9	362	47	Calm	0	5	Cl.	5	Ditto.
1-50	146	972	71.6	59.7	355	46	Calm	0	5	Cl.		Ditto.
1-55	146	971	71.4	59.4	348	45	Calm	0	5	Cl.		Ditto.
2-0	148	973	71.2	59.2	345	45	Calm	0	5	Cl.		Ditto.
2-5	148	973	71.8	59.7	335	46	Calm	0	5	Cl.	4	Ditto. Sun clouded.
2-10	146	970	72.4	60.0	354	44	Calm	0	5	Cl.		Ditto. Ditto.
2-15	142	966	72.6	60.0	352	44	WNW	1.2	5	Cl.	3	Ditto. Ditto.
2-20	144	967	72.8	60.2	356	44	Calm	0	5	Cl.		Ditto.
2-25	144	967	72.8	60.0	349	43	Calm	0	5	Cl.		Ditto. Sun covered by thin layers of cloud.
2-30	148	971	73.2	60.2	350	43	W	1.2	6	Cl.	3	Ditto.
2-35	150	973	72.8	59.5	334	42	Calm	1.2	6	Cl.		Ditto.
2-40	146	969	73.0	60.0	346	43	Calm	0	6	Cl.	1	Ditto. Eclipse ended at 2.40 P.M.
2-45	146	968	73.4	60.1	345	42	Calm	0	6	Cl.		Ditto.
3-0	152	976	73.0	59.6	333	41	WNW	0.8	6	Cl.		Ditto. Sun turned by clouds.
3-15	152	976	73.1	59.9	342	42	Calm	0	7	Cl.		Ditto. Ditto.
3-30	154	978	73.2	60.1	347	43	Calm	0	7	Cl. S.		Ditto.
3-45	158	983	72.7	60.1	354	44	Calm	0	7	Cl. S.		Ditto.
4-0	162	987	72.6	59.3	330	41	Calm	0	7	Cl. S.		Ditto. Ditto.

No. 135. Lat. 30° 10' N.

MOOLTAN.

Long. 71° 33' E

Seven hundred and fifty-two miles from central line of totality. Greatest obscuration 7.

Hour.	Barometer.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind.		Cloud.			Proportion of eclipse, totality to	Weather and other remarks.
	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.					Direction.	Ambient since preceding interval, in miles per hour.	Proportion.	Kind.	Direction of motion.		
A.M.						%							
8-35	29.619	30.039	55.1	49.5	282	64	Calm	...	Nil		Sky clear from 8-35 A.M. to 3-20 P.M. and cloudy from 3-35 P.M. to 4-35 P.M. Thick cloud suddenly appearing in the SW. at 3-35 P.M.
9-5	'622	'039	58.3	50.3	260	53	Calm	0	"	...	...
9-35	'628	'041	61.5	51.3	245	44	Calm	0.2	"	...	...
10-5	'632	'043	64.2	53.0	256	42	SE	0.4	"	...	...
10-35	'637	'047	66.2	55.3	255	45	SE	1.4	"	...	...
10-50	'644	'052	68.0	55.5	276	41	S	2.8	"	...	...
11-5	'648	'054	69.5	55.5	256	36	SSE	0.8	"	...	...
11-20	'639	'044	71.0	56.5	266	36	SSW	0.4	"	...	...
11-35	'636	'039	72.5	57.1	263	33	SE	1.2	"	...	...
11-50	'634	'037	73.0	57.5	270	34	SSE	9.6	"	...	...
P.M.													
0-5	'628	'030	74.0	57.5	256	31	SSE	6.4	"	Slightly obscured.	Eclipse commenced at 12-0 A.M. from SE. The largest portion of the sun's disc obscured was a little over two-thirds, after which the obscuration decreased and completely cleared in one hour and 18 minutes towards NW. The rays of the sun were of known reddish colour 20 minutes after the commencement to 20 minutes before the end of the eclipse.
0-15	'622	'024	74.3	57.5	253	31	SSE	1.2	"	...	...	Little obscured.
0-25	'611	'012	74.5	58.0	264	31	S	7.2	"	...	...	1
0-35	'598	29.999	74.8	58.5	276	32	SE	7.8	"	...	...	2
0-45	'601	30.002	74.8	58.5	276	32	SE	4.2	"	...	...	3
0-55	'591	29.992	74.5	58.0	264	31	SE	1.8	"	...	...	4
1-5	'591	'992	74.5	57.5	250	30	SE	3.0	"	...	...	5
1-15	'582	'984	73.5	57.9	275	34	SE	1.2	"	...	...	6
1-25	'572	'974	73.5	58.5	293	35	Calm	0	"	...	...	7
1-35	'572	'974	73.0	58.0	284	35	Calm	0	"	...	...	6
1-45	'570	'971	73.8	59.5	320	39	Calm	0	"	5	A very little obscuration remained. Perfectly cleared at 2-31 P.M.
1-55	'570	'970	74.5	60.0	326	38	Calm	0	"	...	...	4
2-5	'559	'959	75.2	60.1	320	37	Calm	0	"	...	...	3
2-15	'563	'962	75.5	60.1	315	35	Calm	0	"	...	...	2
2-25	'561	'960	75.8	60.1	312	35	Calm	0	"	...	...	1
2-35	'559	'958	76.4	60.5	316	35	SE	3.6	"	...	...
2-50	'561	'959	77.0	61.5	341	37	SE	1.6	"	...	...
3-5	'561	'959	77.0	61.5	341	37	SE	5.2	"	...	...
3-20	'563	'961	77.0	61.5	341	37	S	3.2	"	...	...
3-35	'561	'959	77.4	61.5	335	36	SW	6.8	2	A. Cu.	SW to NE		
3-50	'556	'954	77.4	61.5	335	36	SW	0	3	A. Cu.	SW to NE		
4-5	'564	'962	77.4	61.5	335	36	SW	0	4	A. Cu.	SW to NE		
4-20	'567	'966	76.0	61.3	348	39	Calm	0.8	5	A. Cu.	SW to NE		
4-35	'570	'979	75.2	61.3	358	40	Calm	1.2	8	Cu. N.	SW to R		

No 136. Lat. 19° 22' N

THAYETMYO

Long 95° 12' E

Seven hundred and seventy four miles from central line of totality Greatest obscuration 7

Hour	Barometer		Dry bulb corrected	Wet bulb corrected	Aqueous vapor pressure	Relative humidity	Wind		Cloud proportion	Proportion of eclipse totality to	Weather and other remarks.
	Corrected and reduced to 32° F	Reduced to sea level and constant gravity					Direction	Amount since preceding minute in miles per hour			
A M	"	"	"	"	"	%					
9 0	29.909	29.987	79.1	67.0	50.1	51	W		Nel		Fine clear weather with blue sky throughout
9 15	898	974	82.1	68.8	52.6	48	W	2.0	"		
9 30	893	969	83.3	68.8	51.0	45	SW	0.8	"		
9 45	884	960	84.1	68.8	50.0	43	SSW	2.4	"		
10 0	881	956	86.1	67.0	49.7	33	SSW	0.8	"		
10 15	874	949	87.2	67.0	39.2	31	NNW	0	"		
10 30	863	938	87.2	67.0	39.2	30	W	0.8	"		
10 45	854	929	87.2	66.0	35.7	27	W	3.2	"		
11 0	848	923	88.2	66.0	34.3	25	NNW	0	"		
11 15	839	913	89.0	66.0	33.2	24	W	3.2	"		
11 30	830	905	88.2	65.0	30.8	23	NW	2.8	"		Strong wind.
11 45	824	898	90.2	67.0	35.2	24	NNW	2.0	"		
12 0 P M	812	886	89.2	66.0	33.0	24	W	3.2	"		
0 15	803	877	89.7	66.0	32.3	22	NW	0.8	"		
0 30	795	869	90.2	66.0	31.6	23	W	3.2	"		
0 37	797	871	90.2	66.0	31.6	23			"		
0 45	789	863	89.7	66.0	32.3	22	WSW	2.8	"		
0 50	789	863	89.2	65.8	32.2	23			"	1	
0 55	783	857	89.7	66.0	32.3	22			"		
1 0	781	855	89.2	65.5	31.3	23	W	82.07	"		
1 5	779	853	89.2	66.0	33.0	23			"		Strong wind.
1 10	779	853	89.2	66.0	33.0	24			"		
1 15	777	851	88.4	65.2	31.2	23	W	2.0	"	3	
1 20	775	850	88.2	65.2	31.5	23			"		
1 25	775	850	88.2	65.8	33.5	25			"		
1 30	775	850	87.7	65.0	31.5	23	W	4.0	"		
1 35	775	850	87.4	65.0	31.8	24			"	5	
1 40	771	846	87.2	65.0	3.2	25			"	6	
1 45	769	844	86.9	64.8	31.9	25	W	2.0	"	7	
1 50	768	843	86.6	64.5	31.3	25			"	6	
1 55	768	843	86.9	65.2	33.7	26			"		Totalization of ecl ppe No unusual appearance of the sun.
2 0	769	844	86.6	64.8	32.3	25	W	0.8	"	3	
2 5	769	844	86.6	64.5	31.3	25			"		
2 10	769	844	86.6	64.5	31.3	25			"		
2 15	769	844	86.6	64.5	31.3	25	W	2.4	"	2	
2 20	769	844	86.6	64.5	31.3	25			"		
2 25	769	844	86.6	64.5	31.3	25			"		
2 30	763	838	86.6	64.8	32.3	25	W	2.8	"		
2 35	763	838	87.2	65.0	32.2	24			"	1	
2 40	763	838	87.2	65.2	32.8	25			"		
2 45	763	838	87.4	65.5	33.5	26	W	4.0	"		
2 48	763	838	87.4	65.5	33.5	26			"	0	
3 0	763	838	87.2	65.0	32.2	25	W	82.07	"		

No. 137. Lat. 20° 36' N.

TAUNGGYI.

Long. 97° 3' E.

Seven hundred and seventy-five miles from central line of totality. Greatest obscuration 5.

Hour.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind Direction.	Cloud proportion.	WEATHER AND OTHER REMARKS.
Nadras time.							
A.M.	°	°	°	%		Nil	
8-52	64.0	54.7	'323	54	SSW		Fies clear weather throughout. 8-55 A.M. to 9-37 A.M. small cirrus clouds appeared moving from S W., and then disappeared.
9-7	64.9	54.9	'317	52	SW	"	
9-22	65.7	55.3	'319	50	SW	"	
9-37	66.3	55.9	'328	51	SSW	"	
9-52	66.9	56.7	'344	52	SW	"	
10-7	66.9	56.9	'349	53	SW	"	
10-22	67.9	56.9	'338	49	SW	"	
10-37	68.9	57.1	'333	47	SSW	"	
10-52	69.7	57.3	'328	44	SW	"	
11-7	70.1	56.9	'313	42	WSW	"	
11-22	69.9	56.9	'315	43	WSW	"	
11-37	70.5	57.1	'314	41	SW	"	
11-52	70.9	56.9	'303	40	WSW	"	
P.M.							
0-7	70.7	56.7	'300	40	WSW	"	0-35 A.M. eclipse commenced.
0-22	71.5	57.3	'308	40	W	"	
0-37	71.5	57.3	'308	40	SW	"	
0-42	71.3	57.9	'327	42	SSW	"	
0-47	71.9	57.9	'320	41	SSW	"	
0-52	70.9	57.9	'231	43	SW	"	
0-57	71.3	57.9	'327	42	WSW	"	
1-2	71.1	57.7	'324	42	W	"	
1-7	70.9	56.5	'292	39	WNW	"	
1-12	70.1	54.9	'257	35	WNW	"	
1-17	69.9	54.9	'259	36	W	"	
1-22	69.7	54.7	'256	36	W	"	
1-27	68.9	54.7	'266	38	WNW	"	1-35 A.M. eclipse ended.
1-32	68.5	53.9	'249	36	WNW	"	
1-37	68.1	53.9	'254	37	WNW	"	
1-42	67.9	53.7	'251	37	W	"	
1-47	67.7	53.7	'253	38	WSW	"	
1-52	67.1	53.5	'256	39	WSW	"	
1-57	66.9	53.7	'257	40	WSW	"	
2-2	66.9	54.1	'274	41	W	"	
2-7	66.9	54.5	'284	43	WSW	"	
2-12	66.9	54.7	'289	44	W	"	
2-17	66.9	55.7	'316	48	W	"	
2-22	66.9	54.7	'289	44	WSW	"	
2-27	67.3	53.9	'262	39	NW	"	2-35 A.M. eclipse ended.
2-32	67.1	53.9	'265	40	WNW	"	
2-37	66.9	53.7	'262	40	WNW	"	
2-42	66.9	53.5	'255	39	W	"	
2-47	67.1	53.9	'265	40	W	"	
2-52	66.9	53.9	'267	41	WSW	"	
2-57	67.1	53.9	'265	40	W	"	

No. 138. Lat. 28° 24' N.

JACOBABAD.

Long. 68° 18' E.

Seven hundred and eighty-five miles from central line of totality. Greatest obscuration 7.

Hour.	Barometer.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind.		Clouds.		Proportion of sky, totality to.	WEATHER AND OTHER REMARKS.
	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.					Direction.	Amount since preceding interval, in miles per hour.	Proportion.	Kind.	Direction of motion.	
A.M.						%						
10-48	29.881	30.036	67.9	56.9	319	47	Calm	0	2	Cl.	NW to SE	All sky blue, except to NW, where whitish thin clouds were seen.
11-3	2887	3042	69.6	58.2	333	46	Calm	0.2	2	Cl.	NW to SE	
11-18	2891	3045	70.6	58.1	319	43	S	0.2	3	Cl.	NW to SE	Clouds increased towards south and west. Colour of sky changed from blue to reddish in the south and fog disappeared.
11-33	2891	3045	71.1	58.1	313	42	S	0.2	4	Cl.	NW to SE	Clouds increasing in amount and getting thicker. Colour changed from white to reddish in the north.
12-48	2891	3045	71.6	58.1	306	40	S	2.0	4	Cl-S	NW to SE	Clouds getting thicker and changing from cirrus to cirro-stratus.
P.M.												
0-3	2881	3034	73.6	59.0	307	38	SW	1.6	6	Cl-S	NW to SE	Cirro-stratus clouds increasing in amount from NW. Reddish colour of the sky and clouds disappeared from NW; cirrus commenced from SW.
0-18	2867	3020	73.7	59.3	315	38	S	1.0	6	Cl-Cu.	NW to SE	Clouds changed from cirro-stratus to cirro-cumulus.
0-33	2861	3014	73.9	59.9	331	40	Calm	0.6	7	A-Cu.	WNW to ESE	Clouds increasing and changing from cirro-cumulus to alto-cumulus and getting darker at WNW.
0-48	2861	3013	74.6	58.1	266	31	WSW	1.6	9	A-S	WNW to ESE	The clouds increasing and getting darker and changing from alto-cumulus to cirro-stratus and now covering almost all the sky. Slight cold breeze from WNW. Eclipse cannot be seen owing to the sun being covered with clouds.
1-3	2861	3014	75.2	58.1	285	35	W	0.6	9	A-S	NW to SE	
1-18	2853	3006	75.7	58.1	292	37	W	0.6	9	S-Cu.	NW to SE	Clouds changed to strato-cumulus; eclipse still invisible.
1-23	2841	2994	72.5	58.1	300	37	Calm	0.4	9	Cl-S	NW to SE	Clouds became thinner and sun appeared.
1-48	2841	2994	72.7	58.3	297	37	Calm	0.4	9	Cl-S	NW to SE	Ditto Ditto.
2-3	2831	2984	73.2	58.4	294	36	W	0.4	8	Cl-S	NW to SE	Do. and the sky changed in colour from dark to darkish brown.
2-18	2831	2984	73.7	58.4	287	34	W	0.6	8	Cl-S	NW to SE	Clouds as before and the sun invisible.
2-33	2831	2984	73.7	58.4	287	34	W	1.2	8	Cl-S	NW to SE	
2-48	2831	2984	73.7	59.0	303	37	W	1.6	9	Cl-Cu	NW to SE	Clouds became again thick and changed from cirro-stratus to cirro-cumulus; sun invisible.
3-3	2813	2966	72.7	59.1	322	41	N	2.6	9	S-Cu	NW to SE	Almost all the sky was covered with strato-cumulus.
3-18	2813	2966	72.1	59.1	330	42	N	1.8	9	N	NW to SE	Drizzling rain; clouds ebbed from strato-cumulus to nimbus.
3-33	2813	2967	71.7	59.1	336	43	Calm	0.4	9	N	NW to SE	No rain; other conditions the same, sun invisible.
3-48	2813	2967	71.6	58.0	303	40	N	1.6	9	N	WNW to ESE	
4-3	2813	2967	71.4	58.1	308	41	N	2.6	9	N	WNW to ESE	
4-18	2805	2959	71.4	58.1	309	41	N	3.2	9	N	WNW to ESE	Drizzling rain; sun visible through strato-cumulus.
4-33	2805	2959	70.6	58.6	334	45	Calm	0.6	9	S-Cu	WNW to ESE	Strato-cumulus; sun invisible.
4-48	2805	2959	70.6	59.1	350	46	Calm	0.4	10	N	WNW to ESE	Whole sky covered by nimbus; sun invisibly low drops of rain fell.

Eight hundred and twenty miles from central line of totality. Greatest obscuration 6.

Hour.	Barometer.		Dry bulb corrected.	Wet bulb corrected.	Aegean vapour pressure.	Relative humidity.	Wind.		Cloud.			Proportion of eclipsed totality 10.	WEATHER AND OTHER REMARKS.
	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.					Direction.	Amount since preceding interval, in miles per hour.	Proportion.	Kind.	Direction of motion.		
Madrass time.													
A.M.													
10-0	29.450	30.068	60.9	49.7	.210	7	WSW	...	5	Cl. S., Cl. Cu.	...		Sun in clear sky.
10-15	.457	.073	62.1	50.1	.204	39	Calm	...	4	Cl. S., Cl. Cu.	W to E		Sunshine dim. Thin clouds passing before the sun. Sky clear in the centre. More clouds in E and S. Amount of clouds decreasing.
10-30	.447	.060	63.9	51.9	.231	39	Calm	...	4	Cl. S., Cl. Cu.	...		Weather ditto, clouds stationary.
10-45	.458	.050	65.3	52.1	.218	34	Calm	...	4	Cl. S.	...		Ditto. Ditto.
11-0	.453	.064	65.9	52.9	.232	36	Calm	...	5	Cl. S.	W to E		Ditto. Amount of cloud increasing.
11-15	.445	.055	66.7	52.9	.221	33	SSW	1.1	7	Cl. S., Cl. Cu.	S to N		Ditto. Clouds increasing.
11-30	.443	.051	68.1	54.0	.232	34	SW	4.8	8	Cl. S., Cl. Cu.	...		Ditto. Sky almost all covered with small scattered clouds.
11-45	.443	.057	69.8	54.4	.219	30	SSE	2.8	9	Cl. S., Cl. Cu.	...		Sun's line getting more dim. Alto-cumulus cloud in the centre of the sky. Cirro-stratus towards the horizon in the NE.
12-0 P.M.	.433	.036	71.0	53.7	.186	24	SSE	4.4	8	Cl. S., Cl. Cu.	...		
0-5	.430	.032	71.8	53.8	.177	23	...	...	8	Cl. S., Cl. Cu.	...	0.5	Sunshine and clouds as above.
0-10	.424	.024	72.6	54.8	.195	24	...	...	9	Cl. S., Cl. Cu.	...	1	Ditto. Sky in the centre and west getting clear.
0-15	.426	.026	72.6	55.0	.201	25	SSW	5.6	9	Cl. S., Cl. Cu.	SW to NE	1	Thin clouds passing before the sun. Alto-cumulus moving towards NE.
0-20	.425	.027	72.0	54.8	.204	26	...	...	8	Cl. S., Cl. Cu.	SW to NE	1	Ditto ditto.
0-25	.417	.018	72.3	54.8	.199	25	...	...	9	Cl. S., Cl. Cu.	...	1	Sun in clear sky; alto-cumulus totally disappeared in NE.
0-30	.414	.015	72.8	54.8	.199	25	SSE	6.4	9	Cl. S., Cl. Cu.	...	2	Western sky getting cloudy. Sunshine turning yellowish.
0-35	.416	.016	72.8	54.6	.187	23	...	...	9	Cl. S., Cl. Cu.	...	2	Clouds towards the horizon between N and W looking like nimbus.
0-40	.407	.006	73.0	55.0	.195	24	...	...	8	Cl. S., Cl. Co.	W to E	3	Sunshine yellowish; thin clouds passing rapidly from W. to E.
0-45	.397	.9997	72.8	54.8	.192	24	SSE	4.0	9	Cl. S., Cl. Cu.	W to E	3	Ditto ditto.
0-50	.397	.996	73.0	55.0	.195	24	...	...	9	Cl. S., N.	W to E	3	Sunshine very dim. Thick cloud before and alto cumulus toward the sun. Yellowish clouds to SE. of sun.
0-55	.397	.997	72.8	55.3	.207	26	...	...	9	Cl. S., N., A. Cu.	W to E	3	
1-0	.395	.995	72.8	55.8	.221	28	SSE	2.4	9	Cl. S., N., A. Cu.	S & W to N & E	4	Sunshine still very dim. Alto-cumulus clouds moving towards N and E. Nimbus more near the horizon between N. and W.
1-5	.389	.988	73.0	55.8	.218	28	...	...	8	Cl. S., N., A. Cu.	S & W to N & E	4	
1-10	.389	.989	72.8	55.8	.221	28	...	...	8	Cl. S., N., A. Cu.	S & W to N & E	4	
1-15	.385	.984	73.0	55.3	.205	25	ESE	2.0	9	Cl. S., N., A. Cu.	...	5	Alto-cumulus disappearing. Halo of greenish yellow colour round the sun distinct on NW; bluish lines between the yellow and green.
1-20	.387	.986	73.2	55.8	.215	26	...	...	9	N., A. Cu.	...	5	Circle getting less dense.
1-25	.385	.984	73.2	55.8	.215	26	...	...	9	Cl. S., Cl. Cu.	W to E	5	
1-30	.385	.984	73.4	56.0	.218	26	Calm	1.6	9	Cl. S., Cl. Cu.	...	6	Ditto sunshine dim, greater portion of sun being obscured. Sunshine more dim. Some clouds moving from W., others from N. Halo still incomplete.
1-35	.385	.983	73.6	56.6	.234	29	...	...	9	Cl. S., N., Cu.	W & N to E & S	5	Ditto ditto.
1-40	.381	.979	73.8	56.3	.223	27	...	...	8	Cl. S., N., Cu.	...	5	
1-45	.383	.982	73.3	56.0	.220	27	Calm	0.8	9	Cl. S., N., Cu.	...	5	Ditto.
1-50	.379	.978	73.3	55.3	.200	25	...	...	9	Cl. S., N., Cu.	...	4	Ditto. Yellow colour of halo getting deeper.
1-55	.383	.981	73.6	56.0	.217	26	...	...	9	Cl. S., S. Cu.	...	4	Ditto. Bluish green colour inside the yellow colour increasing; yellow colour getting moon light.
2-0	.381	.979	73.6	56.8	.240	29	Calm	1.2	8	Cl. S., S. Co.	...	4	Sunshine dim; halo incomplete still; bluish green colour inside the yellow increased. Thick clouds to S. and E. of the sun.
2-5	.377	.975	73.8	56.4	.224	27	...	...	9	Cl. S., S. Cu.	...	3	
2-10	.375	.973	73.8	56.6	.232	29	...	...	9	Cl. S., S. Cu.	...	3	Halo complete, but the circle of the halo to the S and E indistinct; like yellow colour fading.
2-15	.380	.978	74.0	56.8	.236	28	ESE	1.6	9	Cl. S., S. Cu.	...	0	Cloud round the sun getting less dense; yellow colour nearly disappeared. Halo partly visible.
2-20	.382	.979	74.6	56.8	.227	26	...	...	9	Cl. S., S. Cu.	...	2	Ditto. Halo looking like circular, white colour cloud.
2-25	.396	.973	74.8	56.8	.225	26	...	...	9	Cl. S., S. Cu.	...	1	Ditto ditto.
2-30	.368	.961	74.8	57.0	.230	26	ESE	1.6	9	Cl. S., S. Cu.	...	1	Ditto ditto.
2-35	.372	.968	74.8	57.0	.230	26	...	...	9	Cl. S., S. Cu.	...	1	Ditto ditto.
2-40	.380	.977	74.6	56.6	.221	26	...	...	9	Cl. S., S. Cu.	...	1	White-coloured circular cloud round the sun losing circular form.
2-55	.362	.958	74.8	56.8	.225	26	ESE	2.6	9	Cl. S., S. Cu.	W to E	...	Ditto. Sunshine very dim. Thick clouds before the sun moving from W. Eclipse ended.
3-10	.372	.968	74.6	56.0	.204	24	ESE	4.0	9	Cl. S., S. Cu.	...		Half-white circle visible. Ditto.
3-15	.372	.968	74.8	56.0	.201	23	ESE	3.2	9	Cl. S., S. Cu.	...		Circle disappearing. Ditto.
3-40	.365	.961	74.8	55.8	.196	23	ESE	3.6	9	Cl. S., S. Cu.	...		Ditto ditto.
3-55	.371	.968	74.0	55.6	.199	24	ESE	4.4	9	Cl. S., S. Cu.	...		Circle disappeared altogether. Ditto.

No. 140. Lat. 18° 57'.

TOUNGOO.

Long 96° 24' E.

Eight hundred and forty-two miles from central line of totality Greatest obscuration 7

Hour.	BAROMETER		Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure	Relative humidity	WIND		Cloud proportion	WEATHER AND OTHER REMARKS
	Corrected and reduced to 32° F	Reduced to sea-level and constant gravity.					Direction	Amount at noon preceding interval, in miles per hour		
Midian time.	"	"	"	"	"	%	"	"	"	"
8 55	29 868	29 997	75.1	67.8	58.3	67	E		Nil	
9 10	867	995	77.0	69.3	614	66	E	20	"	
9 25	857	985	78.5	69.8	613	62	ESE	36	"	
9 40	858	985	80.0	70.8	631	61	ESE	28	"	
9 55	853	980	80.0	70.3	612	59	ESE	20	"	
10 7	850	977	81.0	71.3	637	59	ESE	15	"	
10 12	848	975	81.5	71.7	646	60	SSE	12	"	
10 17	845	971	82.0	71.3	693	57	SSE	12	"	
10 22	845	971	82.0	71.7	640	59	SSE	12	"	
10 27	836	962	82.5	71.7	633	57	S	24	"	
10 32	836	962	83.0	72.2	646	57	S	12	"	
10 37	831	957	83.0	71.7	626	56	SW	24	"	
10 42	831	957	83.0	71.7	626	56	WSW	24	"	
10 47	825	951	83.5	71.7	619	54	W	12	"	
10 52	821	947	84.0	71.7	613	53	NNW	24	"	
10 57	820	946	83.5	70.3	565	49	NW	60	"	
11 2	817	943	84.0	69.8	539	47	N	72	"	
11 7	811	937	84.0	69.8	539	47	NNW	48	"	
11 12	810	936	84.5	70.8	571	49	NNE	48	"	
11 17	810	935	85.0	70.8	564	47	NNE	36	"	
11 22	806	931	85.0	70.8	564	47	WNW	60	"	
11 27	805	930	85.0	71.3	584	48	NW	36	"	
11 32	803	928	85.0	71.3	584	48	NW	48	"	
11 37	797	922	85.0	71.3	584	48	NW	24	"	
11 42	797	922	85.9	71.7	587	48	W	48	"	
11 47	795	920	85.9	71.7	587	48	WNW	48	"	
11 52	789	914	85.9	71.7	587	48	SW	24	"	
11 57	785	910	86.4	72.2	601	48	WSW	36	"	
P.M.										
0 2	783	908	86.4	72.7	620	50	WSW	24	"	
0 7	780	905	86.9	72.7	613	49	WNW	24	"	
0 12	778	903	86.9	72.7	613	49	WNW	48	"	
0 17	776	901	86.9	72.7	613	49	NW	36	"	
0 22	774	899	86.9	72.7	613	49	NW	36	"	
0 27	771	896	86.9	72.7	613	49	NW	36	"	
0 32	771	896	86.9	72.7	613	49	NW	36	"	
0 37	765	890	87.4	72.7	608	47	NW	36	"	
0 42	765	890	87.4	72.7	608	47	NW	48	"	
0 47	763	888	87.4	72.7	608	47	NW	36	"	
0 52	761	886	87.4	73.7	618	50	NW	24	"	
0 57	759	884	87.4	73.2	627	49	NW	36	"	
1 2	759	884	87.4	73.7	618	50	NW	36	"	
1 7	757	882	86.9	73.2	634	50	NW	48	"	
1 12	757	882	86.9	72.7	613	49	NW	48	"	
1 17	757	882	86.9	73.2	634	50	NW	36	"	
1 22	751	870	86.9	73.2	634	50	NW	24	"	
1 27	750	875	86.9	73.2	634	50	NW	12	"	
1 32	750	875	86.4	73.2	641	50	NW	36	"	
1 37	750	875	85.9	73.7	668	55	NW	24	"	
1 42	750	875	85.9	73.7	668	55	NW	24	"	
1 47	748	872	85.5	73.7	674	55	NW	36	"	
1 52	745	869	85.0	73.7	681	57	NW	12	"	
1 57	743	867	85.0	73.7	681	57	NW	24	"	
2 2	743	867	85.0	73.7	681	57	NW	12	"	
2 7	741	866	84.0	73.2	673	58	NW	12	"	
2 12	739	864	84.0	73.2	673	58	NW	12	"	
2 17	739	864	84.0	73.2	673	58	NW	12	"	
2 22	737	862	84.0	73.2	673	58	NW	0	"	
2 27	736	861	84.0	72.7	653	56	NW	0	"	
2 32	736	861	84.0	72.7	653	56	NW	12	"	
2 37	728	851	84.0	72.7	653	56	NW	12	"	
2 42	728	853	83.5	72.7	660	58	NW	12	"	
2 47	732	857	83.0	72.2	646	58	NW	24	"	
2 52	732	857	83.0	72.2	646	58	NW	36	"	
2 57	732	857	83.0	71.7	626	56	NW	36	"	
3 2	730	855	83.0	71.7	626	56	NW	12	"	

There was an almost complete absence of cloud. The temperature readings were higher by a few degrees than on the day preceding the eclipse.

The amount of wind was only 17 miles during the six hours of observation.

Eclipse visible at 0-54 P.M. and ended at 3-2 P.M. greatest obscuration about seven-tenths.

No. 141. Lat. 33° 54' W.

MURREE.

Long. 73° 27' E.

Eight hundred and forty-nine miles from central line of totality. Greatest obscuration, 6.

Hour.	Baro- meter.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour. pressure.	Relative humidity.	Wind.		Cloud.			Weather and other remarks.
						Direction.	Amount since preceding interval, in miles per hour.	Proportion.	Kind.	Direction of motion.	
A.M.					%						
10-42	23.935	52.8	41.1	1.38	34	SSE	...	9	A. Cu.	...	Dark gloomy weather.
10-57	937	52.7	41.0	1.37	34	SSE	13.6	9	Cu.	...	Ditto.
11-12	939	52.6	41.0	1.38	35	SSE	7.8	8	Cu.	...	Ditto.
11-27	933	51.8	40.6	1.38	36	SSE	16.0	10	S. Cu.	...	Overcast.
11-42	927	50.8	40.9	1.55	41	SSE	8.8	10	S. Cu.	...	Ditto.
11-57	925	49.7	40.4	1.56	43	SSE	17.2	10	S. Cu.	...	Ditto.
P.M.											
0-27	919	49.3	40.0	1.52	43	SSE	7.6	9	S. Cu.	NW to SE	Dark gloomy weather.
0-42	911	46.3	39.6	1.80	56	SSE	12.0	10	S. Cu.	...	Overcast.
0-57	905	45.5	39.0	1.72	56	SE	12.8	10	S. Cu.	...	Drizzling.
1-12	901	49.5	39.0	1.31	37	S	18.4	9	S. Cu.	...	Unusually dark.
1-27	901	49.6	39.0	1.30	37	Calm.	4.4	9	S. Cu.	...	Ditto.
1-42	893	49.8	40.0	1.47	41	SE	14.0	9	S. Cu.	...	Ditto.
1-57	891	49.3	39.9	1.50	42	Calm.	6.0	10	S. Cu.	...	Overcast.
2-12	889	48.8	39.7	1.51	44	Calm.	3.2	8	S. Cu.	...	Dark weather.
2-27	887	48.8	39.6	1.49	43	Calm.	4.8	8	S. Cu.	...	Ditto.
2-57	891	49.6	39.9	1.47	41	Calm.	2.2	9	S. Cu.	...	Dark gloomy weather tinged with yellow.
3-12	891	49.7	40.1	1.50	42	SE	7.6	9	S. Cu.	...	Ditto ditto.
3-27	893	49.7	40.4	1.56	43	SE	10.0	9	S. Cu.	...	Ditto ditto.
3-42	895	49.4	41.0	1.71	48	SSE	5.6	9	S. Cu.	NE to SW	Dark gloomy weather.
3-57	899	48.6	40.4	1.68	48	SE	12.4	10	S. Cu.	E to W	Overcast.
4-12	907	48.0	40.9	1.84	55	Calm.	1.2	10	S. Cu.	SE to NW	Ditto.
4-27	917	47.8	41.0	1.88	56	Calm.	2.0	10	S. Cu.	SE to NW	Ditto.

No. 142 Lat. 33° 38' N.

RAWALPINDI.

Long 73° 5' E.

Eight hundred and fifty-two miles from central line of totality. Greatest obscuration 6.

Hour.	BAROMETER.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind.		Cloud.			Proportion of obscuration, totally.	WEATHER AND OTHER REMARKS.
	Madras time.	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.				Direction.	Amount since preceding interval, in miles per hour.	Proportion.	Kind.	Direction of motion.		
A.M.						%							
8-0	'28	'320	'30'063	45'1	42'1	'232	77	Calm	...	9	Cu. N.	...	Sun obscured by clouds; sky dark.
10-0	'331	'044	53'3	48'0	'265	46	Calm	0	9	S. Cu.	...		Ditto ditto. For
10-15	'336	'044	55'1	48'4	'258	59	Calm	0	9	N. & Fr. N.	...		Ditto. Sky dark with blue patches.
10-30	'336	'047	56'1	48'7	'253	56	Calm	0	9	N. & Cu. N.	...		Ditto. Sky dark. For
10-45	'346	'048	57'0	48'5	'237	51	Calm	0	9	N. & Cu. N.	...		Ditto. Sky grey with blue patches.
11-0	'348	'048	57'8	49'0	'238	50	Calm	0	9	N. & Cu. N.	...		Sun shining. Ditto.
11-15	'353	'045	60'0	49'8	'234	45	Calm	0	9	N. & Cu. N.	...		Sun obscured. Ditto.
11-30	'349	'041	60'1	49'5	'245	44	W	1'6	9	N. & Cu. N.	...		Ditto. Sky dark with blue patches.
11-45	'333	'019	62'5	50'9	'232	41	W	14'8	8	N. & Cu. N.	E to W		Sun shining. Sky dark with blue patches.
12-0	'333	'016	62'0	50'5	'227	41	NNW	23'6	9	N. & S. Cu.	S to N		Sun obscured. Sky dark with blue patches.
P.M.													
0-15	'326	'002	64'0	51'0	'215	36	NNW	8'0	9	N.	E to W		Sun obscured. Sky dark with blue patches.
0-30	'316	29'993	63'5	50'9	'219	37	NNW	11'2	9	N. & Fr. N.	E to W		Ditto ditto.
0-45	'322	'998	64'1	53'1	'270	45	Calm	0	9	Fr. N. & S. Cu.	E to W	3	Partial eclipse. N. Dark grey and blue patches.
1-0	'318	'993	63'6	53'0	'246	42	Calm	0	9	Fr. N. & S. Cu.	E to W		Sun obscured by cloud. Dark grey and blue patches.
1-15	'308	'988	63'0	51'5	'241	42	Calm	0	9	Fr. N. & S. Cu.	S to N	6	Partial eclipse. Dark grey and blue patches. 1-17.35. A flickering light over sun, pink at first, gradually growing brighter & becoming extended in a NNW downward direction fading away; again seen at 1-20 P.M., but not so marked as before.
1-30	'306	29'985	62'5	51'5	'247	44	Calm	0	9	Fr. N. & S. Cu.			Sun obscured. clouds stationary and dark.
1-45	'294	'975	62'0	51'5	'253	46	Calm	0	9	Fr. N.	E to W	4	Partial eclipse in NNW of sun's disc; clouds dark and grey.
2-0	'296	'975	62'5	52'3	'266	47	Calm	0	9	Fr. N. & S. Cu.	W to E	3	Partial eclipse in N.E. N. of disc; few drops of rain; clouds dark and grey with blue patches.
2-15	'286	'962	63'5	52'1	'249	42	Calm	0	7	S. Cu. & Cu.			Do. Sky light grey with dark and blue patches.
2-30	'284	'959	63'8	51'2	'221	37	Calm	0	9	Fr. N. & Cu.	SW to NE		Sun obscured by cloud. Sky light grey with dark and blue patches.
2-45	'278	'950	64'5	51'3	'217	35	N	20'8	9	Fr. N. & Cu.	S to N		Sun obscured by cloud. Sky light grey with dark and blue patches. At 2-53 P.M. the sun was out of eclipse.
3-0	'262	'955	64'0	51'1	'217	36	N	12'8	9	Fr. N. & Cu.	S to N		Ditto ditto.
3-15	'282	'956	64'0	51'2	'221	36	N	16'8	9	Fr. N. & Cu.	SE to NW		Sun obscured by cloud. Sky light grey with dark and blue patches.
3-30	'284	'959	63'5	50'8	'216	37	N	10'4	9	Fr. N. & Cu.	SE to NW		Ditto ditto.
4-45	'286	'963	63'0	50'7	'220	38	Calm	0	10	N.			Do. Few drops of rain; clouds dark.
4-0	'294	'975	62'1	52'0	'265	48	Calm	0	10	N.			Ditto ditto.

No. 143. Lat. 32° 0' N.

DERA ISMAIL KHAN.

Long. 71° 5' E.

Eight hundred and fifty-five miles from central line of totality. Greatest obscuration 6.

Hour.	BAROMETER.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind			Cloud.		Proportion of totality 10.	WEATHER AND OTHER REMARKS.
	Madras time.	Corrected and reduced to 32° F.					Direction.	Amount since preceding interval, miles per hour.	Proportion.	Kind.	Direction of motion.		
A. M.						%							
10-0	29.489	30.095	56.2	52.0	334	74	W	—	4	A. Cu.	W to E		Clouds over the sun's disc.
10-15	489	093	57.2	52.0	321	68	Calm	0	4	A. Cu.	W to E		Ditto.
10-30	489	093	57.2	52.9	333	73	Calm	0	6	Cl. S.	W to ENE		Sky clear in N. Clouds less dense.
10-45	489	091	58.5	53.5	346	70	NW	0.4	7	Cl. S.	W to ENE		Ditto ditto.
11-0	482	080	61.9	54.2	319	57	NNE	1.2	7	Cl. S.	SW to NE		Clouds still less dense.
11-15	428	022	63.0	55.0	328	57	Calm	0	7	Cl. S.	SW to NE		
11-30	424	017	64.7	55.9	331	54	Calm	0	7	Cl. S.	SW to NE		Do. getting attenuated.
11-45	417	007	66.7	57.5	353	54	SSE	1.6	7	Cl. S.	SW to NE		
12-0	414	004	66.9	57.2	340	51	SE	1.6	7	Cl. S.	SW to NE		
P. M.													
0-5	454	044	67.8	58.9	381	56	SE	4.8	7	Cl. S.	SW to NE		Clouds getting very attenuated.
0-10	456	045	67.9	58.0	352	51	SE	1.2	7	Cl. S.	SW to NE		
0-15	456	044	68.4	58.6	364	53	Calm	0	7	Cl. S.	SW to NE		11-55 P.M. } five sun spots visible.
0-20	456	044	68.7	58.8	366	52	SE	1.2	7	Cl. S.	SW to NE		0-20 " " }
0-25	454	042	68.9	58.9	366	52	SSW	3.6	7	Cl. S.	SW to NE		
0-30	452	040	68.9	58.8	364	52	ESB	2.4	7	Cl. S.	SW to NE		
0-35	452	039	69.7	59.0	358	49	SE	0.2	7	Cl. S.	SW to NE		
0-40	446	032	69.8	59.2	363	49	S	4.8	7	Cl. S.	SW to NE	4 at 0-40 P.M.	Gloom settling in.
0-45	444	030	69.8	59.0	357	48	ESE	2.4	7	Cl. S.	SW to NE		Ditto.
0-50	442	028	69.8	59.2	363	49	S	1.2	7	Cl. S.	SW to NE		Ditto.
0-55	439	026	69.4	58.9	359	49	Calm	0	7	Cl. S.	SW to NE		Ditto.
1-0	435	022	68.8	59.5	386	53	SSE	2.4	7	Cl. S.	SW to NE		Ditto.
1-5	435	022	69.4	59.2	368	51	SE	1.2	7	Cl. S.	SW to NE		Ditto.
1-10	433	020	69.7	59.0	358	49	Calm	0	7	Cl. S.	SW to NE		Ditto.
1-15	429	016	68.7	59.0	372	53	Calm	0	7	Cl. S.	SW to NE		Ditto.
1-20	429	017	67.9	58.9	379	56	SE	1.2	7	Cl. S.	SW to NE	6 at 1-19 P.M.	Dell—Pallies gloom.
1-25	427	015	67.8	59.9	412	60	Calm	0	7	Cl. S.	SW to NE		Ditto. 1-19 P.M. 1-57 "
1-30	427	017	67.4	59.2	395	59	Calm	0	7	Cl. S.	SW to NE		Ditto.
1-35	425	014	67.8	59.5	400	59	Calm	0	7	Cl. S.	SW to NE		Ditto.
1-40	425	014	67.8	59.5	400	59	SE	1.2	7	Cl. S.	SW to NE		Ditto.
1-45	422	009	68.3	58.5	362	53	SE	1.2	7	Cl. S.	SW to NE		Ditto.
1-50	420	007	68.8	60.0	402	57	Calm	0	7	Cl. S.	SW to NE		Ditto.
1-55	418	005	68.9	59.0	369	52	SE	1.2	7	Cl. S.	SW to NE	4 at 1-57 P.M.	Ditto.
2-0	415	002	69.4	59.9	391	54	SE	0	7	Cl. S.	SW to NE		Gloom lifting off.
2-5	413	29.999	67.7	59.8	383	53	E	1.2	7	Cl. S.	SW to NE		Ditto.
2-10	411	997	69.9	60.0	387	53	SE	1.2	7	Cl. S.	SW to NE		Ditto.
2-15	407	993	69.9	60.3	397	54	Calm	0	7	Cl. S.	SW to NE		Ditto.
2-20	403	999	70.1	60.0	387	53	Calm	0	7	Cl. S.	SW to NE		Ditto.
2-25	401	996	70.7	60.0	377	50	SE	1.2	7	Cl. S.	SW to NE		Ditto.
2-30	399	984	70.9	60.3	384	51	SE	2.4	7	Cl. S.	SW to NE		Ditto.
2-35	401	996	71.3	60.3	378	49	SE	2.4	7	Cl. S.	SW to NE		Ditto. 2-35 P.M. five sun spots visible
2-40	403	995	71.1	60.1	375	49	SE	1.2	7	Cl. S.	SW to NE		Ditto.
2-45	405	990	71.7	60.2	370	47	SE	1.2	8	Cl. S.	SW to NE		2-42 P.M. clear disc, five spots visible.
3-0	405	991	71.4	60.0	367	47	SE	0.8	8	Cl. S.	SW to NE		
3-15	404	989	71.1	58.9	337	44	S	1.6	8	Cl. S.	SW to NE		
3-30	404	988	71.8	59.9	358	46	S	0.4	8	Cl. S.	SW to NE		
3-45	404	988	71.9	60.2	367	47	SE	3.2	8	Cl. S.	SW to NE		
4-0	404	989	70.9	60.2	380	50	SSE	0.4	8	Cl. S.	SW to NE		

No 144 Lat 16° 47' N

BASSEIN

Long 94° 50' E

Eight hundred and ninety-eight miles from central line of totality Greatest obscuration 4

Hour	BAROMETER						Relative humidity	WIND	CLOUD			Proportion of eclipse, total %	WEATHER AND OTHER REMARKS
	Madras time	Corrected and reduced to 32° F	Reduced to sea level and constant gravity	Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure			Direction	Proportion	Kind			Direction of motion
A.M.	"	"	"	"	"	"	%						
9.2	30°04.5	30°00.8	79.4	70.0	616	60	ESE	2	Cl	S			Fine weather with passing clouds.
9.17	044	007	79.9	70.3	614	60	NNE	2	Cl	S			Ditto ditto.
9.32	038	000	81.0	69.7	576	55	NE	1	Cl	S			Ditto ditto.
9.47	033	29.995	82.2	70.4	586	53	ENE	NHL					Fine clear weather
10.2	025	987	84.0	70.1	550	47	NE	"					Ditto
10.17	021	983	84.3	70.0	543	46	NNW	"					Ditto
10.32	014	976	85.0	70.8	564	46	N	"					Ditto
10.47	006	968	84.9	70.4	530	45	N	"					Ditto
11.2	29.997	959	85.8	70.5	542	44	N	"					Ditto
11.17	985	947	86.3	71.5	574	46	NNE	"					Ditto
11.32	981	943	85.9	71.4	575	46	NW	"					Ditto
11.47	971	933	86.8	71.7	579	45	NNE	1	Cl				Fine weather with passing clouds.
P.M.													
0.2	959	921	86.7	71.5	568	45	N	NHL					Fine clear weather
0.17	949	911	87.5	71.7	565	43	NNE	"					Ditto
0.32	940	902	87.7	71.7	563	43	NW	"					Ditto
0.47	936	898	88.6	72.0	563	42	NNE	1	Cl				Fine weather with passing clouds.
0.57													Ditto ditto
1.2	932	894	87.9	71.7	560	43	NNW	1	Cl				Ditto ditto
1.7	932	894	87.7	71.4	551	41	NW	1	Cl				Ditto ditto
1.12	930	892	87.9	71.4	548	41	NNW	1	Cl	NW to SE			Ditto ditto
1.17	926	888	87.5	71.7	565	43	N	1	Cl	NW to SE			Ditto ditto
1.22	924	886	87.5	71.0	538	41	NW	1	Cl	NW to SE			Ditto ditto
1.27	919	881	87.7	71.7	563	43	NNE	1	Cl	NW to SE			Ditto ditto
1.32	919	881	86.9	71.5	565	44	NW	1	Cl				Ditto ditto
1.37	917	879	86.7	71.7	576	45	NE	1	Cl				Ditto ditto
1.42	917	879	86.9	71.7	573	45	NW	1	Cl				Ditto ditto
1.47	915	877	86.7	71.7	576	45	NNE	1	Cl	NW to SE			Ditto ditto
1.52	913	875	86.7	71.7	576	45	NNW	1	Cl	S			Ditto ditto
1.57	913	875	85.9	71.2	567	46	NNW	1	Cl	S			Ditto ditto
2.2	912	874	85.3	71.9	589	47	NNE	1	Cl	S			Ditto ditto
2.7	912	874	85.9	71.5	579	47	NNE	1	Cl	S			Ditto ditto
2.12	910	872	85.9	71.0	559	45	NW	1	Cl	S	W to E		Ditto ditto
2.17	910	872	85.7	70.9	558	45	NW	1	Cl	S	W to E		Ditto ditto
2.22	910	872	85.7	71.1	567	46	NW	1	Cl	S			Ditto ditto
2.27	910	872	85.7	71.1	567	46	NW	1	Cl	S			Ditto ditto
2.32	908	870	85.9	71.0	559	45	NW	1	Cl	S	W to E		Ditto ditto
2.37	908	870	86.2	70.9	551	44	NW	1	Cl	S	W to E		Ditto ditto
2.42	905	867	85.7	70.7	550	45	NW	1	Cl	S			Ditto ditto
2.47	905	870	85.7	70.7	550	45	NNW	1	Cl	S			Ditto ditto
2.52	910	872	85.5	70.7	553	45	NW	1	Cl	S			Ditto ditto
2.57	910	872	85.6	70.9	559	46	NW	1	Cl	S			Ditto ditto
3.2	910	872	85.5	70.9	579	45	NW	1	Cl	S			Ditto ditto

No. 145 Lat. $33^{\circ} 46' N$.

CHERAT.

Long. $71^{\circ} 58' E$.

Nine hundred miles from central line of totality. Greatest obscuration, 5.

Hour.	Baro- meter.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind.		Cloud.		Weather and other remarks.
						Direction	Amount since preceding interval, in miles per hour.	Kind.	Direction of motion.	
Madras times.	Corrected and reduced to $32^{\circ} F$.				%					
A.M.										
10-0	25.809	53.1	40.5	112	28	NNE	--	S. Cu.	N to S	Partially clouded.
10-15	815	53.0	40.8	118	30	N	192	S. Cu.	N to S	Cloudy; white-shining clouds to east horizon.
10-30	821.	53.2	40.9	119	29	NNE	364	A. Cu.	N to S	Sky nearly overcast. Slight sunshine for a minute.
10-45	827	53.5	41.1	120	29	NNE	180	S. N.	NW to SE	Cloudy ditto ditto two minutes.
11-0	819	53.8	41.1	117	28	N	180	S, N. & A. Cu.	SW to NE	Ditto.
11-15	821	54.8	42.3	129	30	NNE	180	A. Cu.	N to S	Passing clouds. clouds to N, and E.
11-30	821	54.7	42.0	124	29	NNW	132	Cl. S., S. Cu.	NE to SW	Sun visible partially through clouds.
11-45	817	54.3	41.6	122	30	NW	180	A. Cu., S. Cu.	NE to SW	Nearly overcast sky. No sunshine.
12-0	817	53.7	42.0	133	33	N	160	S. Cu., N.	W to E	Cloudy and rainy for half a minute.
P.M.										
0-15	813	53.8	42.2	138	34	N	128	N. & S. Cu.	NW to SE	Sky nearly overcast. Sun not visible.
0-30	807	54.8	42.5	142	35	NE	148	Cl. S., S. N.	SE to NW	Cloudy.
0-45	807	53.8	42.3	140	34	NNW	164	S. Cu., A. Cu.	SE to NW	Ditto ditto.
1-0	803	53.0	41.5	134	34	N	192	S. Cu., N.	SE to NW	Reddish S.-E. side of sky.
2-30	786	53.0	42.0	143	36	N	394	S. Cu. & Cu.	SW to NE	Cloudy. Sun not visible.
2-45	777	53.1	42.0	142	36	N	88	S. Cu., A. Cu.	SW to NE	Ditto ditto.
3-0	775	53.5	42.4	146	36	N	120	A. Cu.	W to E	Partly clouded. Sun fell.
3-15	771	53.7	42.9	154	38	N	288	Cl. S. & A. Cu.	SW to NE	Ditto.
3-30	775	53.9	42.8	150	37	N	84	Cl. S. & A. Cu.	SW to NE	Ditto.
3-45	779	54.2	43.0	151	36	N	60	Cl. S., A. Cu.	SW to NE	Ditto.
4-0	783	54.8	44.7	182	43	NNW	24	Cl. S., A. Cu.	W to E	White partial clouds in W.

No 146 Lat. 35° 48' N

GILGIT.

Long 74° 25' E

Nine hundred and eleven miles from central line of totality Greatest obscuration 4

Hour	Baro in Hg	Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure	Relat ve humidity	Wind		Cloud		WEATHER AND OTHER REMARKS
						Direction	Amount in per cent of interval in miles per hour	Kind	Direction of motion	
Madras time	Corrected and reduced to 32° F				%					
A.M.										
10-24	25.331	45.0	37.3	137	45	WSW		A S	E to W	This alto-stratus covering the sun
10-39	328	46.0	38.5	150	48	SSW	0.8	AS	E to W	
10-54	324	46.6	37.1	114	36	ENR	1.2	AS	E to W	
11-9	322	47.4	38.5	134	41	"	2.0	A Cu	S to N	
11-24	307	48.8	38.7	121	36	SSR	1.2	Cu	S to N	
11-39	296	49.6	38.7	112	32	SE	0.8	Cu	S to N	
11-54	282	51.4	38.3	084	22	WSW	1.2	A S	S to N	This alto-stratus covering the sun
P.M.										
0-9	277	51.0	38.9	101	26		0	A S.	S to N	At 0-17 P.M. the eclipse began
0-24	259	51.0	38.9	101	26	ESE	1.6	AS	S to N	
0-39	256	51.0	39.3	109	28	"	3.6	AS	S to N	Clouds thickening
0-54	254	50.8	39.5	116	32	SE	2.4	AS.	S to N	
0-44	248	50.8	39.5	116	32	ESE	0	S Cu	S to N	
0-54	238	50.4	39.5	120	33		0.6	S Cu	S to N	
1-4	232	50.2	39.1	114	31	"	0	S Cu	S to N	Sun scarcely visible
1-14	232	50.2	39.3	118	32	"	0	S Cu	S to N	At 1-2 P.M. cloud thinner sun more visible
1-24	224	50.0	38.9	112	31	"	0	S Cu	S to N	At 1-27 P.M. sun not visible
1-34	218	50.0	38.9	112	31	"	0	S Cu	S to N	
1-44	195	50.0	38.5	104	29	"	0	N	S to N	
1-54	187	49.8	38.7	110	31	"	0	N	S to N	Sun not visible.
2-4	189	49.8	38.9	114	32		0	N	S to N	
2-14		50.0	39.1	116	32		0	N	S to N	
2-24		50.6	38.9	105	28		0	N	S to N	
2-39		50.6	38.7	101	27	"	0	N	S to N	
2-54			38.7			"		N	S to N	
3-9			38.5				0	N	S to N	Clouds thinning sun visible no eclipse
3-24	187	51.0	38.3	069	23	"	0	N	S to N	Sun again invisible
3-39		51.2	39.3	107	27	"	0	N	S to N	
3-54	175	50.8	39.7	119	33		0	N	S to N	
4-9	176	50.4	39.9	128	35	SR	0.1	N	S to N	
4-24	176	50.4	38.9	107	29	"	0	N	S to N	

No. 147. Lat. 15° 52' N.

DIAMOND ISLAND.

Long. 94° 13' E.

Nine hundred and twenty-eight miles from central line of totality. Greatest obscuration 4.

Hour.	Barometer.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind.		Cloud proportion.	Weather and other remarks.
	Corrected and reduced to F.	Reduced to sea-level and constant gravity.					Direction.	Amount since preceding interval, in miles per hour.		
A.M.						%				
9-4	30.021	29.996	84.5	75.4	759	63	NNE	...	Nil	Sea smooth, weather sultry.
9-19	30.021	29.996	84.5	75.7	769	64	NE	8.0	"	
9-34	30.16	29.991	84.5	75.7	769	64	NE	8.0	"	
9-49	30.16	29.991	84.6	75.6	766	64	NE	9.2	"	
10-4	30.14	29.989	85.2	75.6	758	62	NE	12.8	"	
10-19	30.06	29.981	85.9	75.6	748	60	NE	8.0	"	
10-34	29.994	29.969	86.0	75.2	728	58	NE	10.0	"	
10-49	29.86	29.61	86.3	75.3	729	58	NE	9.2	"	Ditto and light wind.
11-4	29.85	29.60	86.7	76.0	753	59	NE	12.4	"	
11-19	29.77	29.52	86.4	75.7	744	59	NE	7.6	"	
11-34	29.54	29.29	86.3	75.0	716	57	ENE	10.0	"	
11-49	29.57	29.32	86.1	74.8	709	57	ENE	6.0	"	
P.M.										
0-4	29.50	29.25	86.2	74.8	706	57	ENE	6.4	"	
0-19	29.48	29.20	86.8	75.5	730	57	NNE	4.8	"	Ditto ditto getting gloomy
0-34	29.37	29.12	87.1	73.1	626	49	WNW	6.4	"	
0-49	29.30	29.05	86.5	73.1	718	57	WNW	8.4	"	
1-4	29.22	28.97	85.5	74.8	719	58	WNW	7.6	"	
1-19	29.17	28.92	85.2	74.8	722	59	WNW	10.0	"	
1-34	29.12	28.87	84.1	74.0	704	60	WNW	10.0	"	
1-49	29.10	28.85	83.9	73.7	695	59	NNW	10.4	"	
2-4	29.04	28.79	83.3	73.9	710	62	NNW	12.0	"	Ditto ditto.
2-19	29.00	28.75	83.4	73.7	702	61	NNW	12.8	"	
2-34	29.00	28.75	84.3	74.9	738	62	WNW	8.4	"	
2-49	28.97	28.72	84.3	74.4	717	60	NNW	12.8	"	
3-4	29.00	28.75	84.3	74.4	718	60	NNW	12.0	"	

No. 148. Lat. 34° 2'

PESHAWAR.

Long. 71° 37' E

Nine hundred and thirty-five miles from central line of totality Greatest obscuration 5.

Hour	Barometer		Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure	Relative humidity	Wind		Cloud proportion.	Proportion of eclipse, totality 10.	Weather and other remarks.
	Corrected and reduced to 32°F.	Reduced to sea level and constant gravity					Direction	Amount since preceding interval, in miles per hour			
A.M.						%					
10-34	28.937	30.097	55.8	47.8	235	53	S	0	9		There was no cloud up to 5-34 A.M. after that clouds came up from W and covered the whole sky up to 9-34 A.M. after which time they decreased in amount.
10-49	942	096	58.3	48.9	231	47	SSW	3.6	9		
11-4	944	094	59.8	50.2	247	48	S	3.2	9		
11-19	943	091	60.8	50.7	247	47	Calm	1.6	8		
11-34	943	089	61.8	50.7	235	43	Calm	0.4	8		
11-49	939	080	63.8	51.7	236	40	WSW	1.2	7		
P.M.											
0-4	930	066	65.6	51.7	213	34	Calm	0.8	6		
0-19	924	056	67.7	53.7	241	36	NNW	1.6	7		
0-34	913	040	69.3	52.7	195	27	SSW	2.4	7	1	
0-39	910	038	68.7	51.7	176	25	Calm	2.4	7	2	8-29 P.M. and obs commenced from S.
0-44	908	036	69.2	52.7	196	28	Calm	1.2	7	3	
0-49	904	032	69.2	52.5	192	27	SE	3.6	7	3	
0-54	900	026	70.2	53.7	211	29	Calm	1.2	6	3	
0-59	900	027	69.7	53.7	217	30	Calm	0	6	3	
1-4	898	024	70.2	53.9	217	29	Calm	1.2	6	3	
1-9	896	022	69.9	52.7	187	26	S	1.2	7	4	
1-14	890	017	69.7	53.2	203	28	Calm	0	7		
1-19	886	016	67.9	52.9	219	32	Calm	2.4	8	5	
1-24	884	014	67.7	52.7	215	32	Calm	0	8	5	
1-29	884	014	67.7	52.7	215	32	Calm	1.2	8	5	Eclipse turned to SE. Do. E. Do. E. Sea covered with thick cloud Ditto. Ditto. Eclipse decreasing Ditto. Ditto. Ditto. Ditto. The sun quite clear of eclipse.
1-34	882	012	67.7	52.7	215	32	Calm	0	8	5	
1-39	876	006	67.7	52.7	215	32	SW	2.4	8	5	
1-44	874	004	67.7	52.2	201	29	NNE	2.4	9		
1-49	874	004	67.7	52.7	215	32	NE	1.2	9		
1-54	872	002	67.7	52.7	215	32	NE	2.4	9		
1-59	872	002	67.7	52.7	215	32	N	2.4	9	3	
2-4	870	000	67.7	53.0	223	33	WNW	1.2	8	3	
2-9	872	002	67.7	52.7	215	32	Calm	1.2	8	2	
2-14	872	002	67.7	52.7	215	32	NNW	1.2	8	2	
2-19	868	29.998	67.7	53.2	228	33	Calm	1.2	8	1	The sun quite clear of eclipse.
2-24	866	994	68.7	53.7	229	33	NE	1.2	8	1	
2-29	866	995	68.2	53.2	222	32	NNE	1.2	8	1	
2-34	864	993	67.7	52.7	215	32	Calm	1.2	9	1	
2-39	862	989	68.7	53.7	229	33	Calm	1.2	8	1	
2-44	862	987	69.7	54.7	244	34	Calm	2.4	7		
2-49	866	993	68.9	53.9	233	33	NNE	3.6	7		
3-14	868	994	69.7	56.2	286	39	NE	2.4	7		
3-29	870	997	69.2	56.5	302	43	Calm	2.4	7		
3-44	874	30.002	68.7	57.7	342	49	E	2.4	6		
4-9	882	010	68.7	56.9	320	45	E	2.4	6		
4-14	882	013	66.9	55.5	300	46	ENE	3.2	6		
4-24	887	026	63.8	54.2	303	51	ENE	4.5	4		

No. 149. Lat. 30° 11' N.

QUETTA.

Long. 67° 3' E.

Nine hundred and thirty-nine miles from central line of totality. Greatest obscuration, 6.

HOUR.	BAROMETER.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	WIND		CLOUD.		Proportion of eclipse, totality 10.	WEATHER AND OTHER REMARKS.
						Direction.	Amount since preceding interval, in miles per hour.	Proportion.	Kind.	Direction of motion.	
Madras time.	Corrected and reduced to 32° F.										
A.M.	"	"	"	"	%						
10-53	24.704	49.6	45.8	.270	75	W	—	5	Ca. N.	S to N	Sun was more or less hidden under cloud all through.
11-8	.706	49.8	46.0	.272	76	SW	1.6	7	Ca. N.	...	Ditto ditto.
11-23	.702	50.0	46.2	.274	76	SSW	3.2	7	Ca. N.	...	Ditto ditto.
11-38	.698	50.8	46.5	.273	73	Calm	2.4	7	Ca. N.	...	Ditto ditto.
11-53	.696	51.4	46.9	.276	72	WSW	1.6	7	Ca. N.	...	Ditto ditto.
P.M.											
0-8	.692	52.8	47.2	.268	67	SSW	4.0	6	Ca. N.	...	Obscuration commenced from WSW.
0-13	.692	52.9	46.0	.240	59	WSW	6.0	6	Ca. N.	...	1 Clouds looked darkish grey.
0-18	.694	53.0	45.8	.235	58	WSW	2.4	6	Ca. N.	...	1
0-23	.683	53.3	45.7	.230	57	WSW	13.2	4	Ca. N.	...	
0-28	.682	55.4	47.0	.236	53	WNW	4.8	5	Ca. N.	...	3 Clouds more darkish grey.
0-33	.652	54.3	45.0	.204	48	W	15.6	4	Ca. N.	...	
0-38	.676	54.8	45.6	.212	50	WSW	3.6	4	Ca. N.	...	4 Clouds whitish grey.
0-43	.674	54.9	45.6	.215	50	WSW	3.6	4	Ca. N.	...	5 Gloomy, ditto.
0-48	.676	53.9	45.2	.213	50	WSW	13.2	4	Ca.	...	
0-53	.676	52.8	44.3	.204	50	WSW	15.6	5	Ca. N.	...	
0-58	.676	53.1	44.1	.197	48	SW	19.2	6	Ca. N.	...	6 Dark and gloomy.
1-3	.668	54.4	45.0	.203	47	SSW	20.4	9	Ca. N.	...	Ditto.
1-8	.670	53.8	44.7	.203	49	WSW	13.2	10	Ca. N.	...	Ditto.
1-13	.668	54.0	45.2	.211	50	SSW	2.4	10	Ca. N.	...	Ditto.
1-18	.666	54.4	44.8	.199	47	SSW	2.4	10	Ca. N.	SW to NE	Ditto.
1-23	.662	54.4	44.7	.197	47	WSW	6.0	5	Ca. N.	...	5 Ditto.
1-28	.660	54.4	44.8	.199	47	WSW	4.8	4	Ca. N.	SW to NE	4
1-33	.656	53.8	45.2	.213	51	SSW	6.0	7	Ca. N.	SW to NE	4 Hazy.
1-38	.656	53.4	44.8	.209	51	WSW	15.6	10	Ca. N.	...	4
1-43	.654	53.1	44.2	.199	49	WSW	6.0	9	Cl. S.	...	3
1-48	.654	53.6	44.6	.203	49	SW	8.4	9	Ca. N.	SW to NE	
1-53	.652	54.0	45.1	.208	49	W	27.6	5	Ca. N.	NW to SE	3
1-58	.656	55.0	45.6	.210	48	SSW	8.4	5	Ca. N.	...	2
2-3	.650	55.9	46.2	.213	47	WSW	14.4	7	Ca. N.	SE to NW	
2-8	.650	55.8	45.6	.202	45	WSW	28.8	7	Ca. N.	...	2 Clouds darkish grey near the sun.
2-13	.648	55.6	46.1	.212	48	SSW	16.8	8	Ca. N.	SW to NE	1
2-18	.650	56.2	45.2	.188	41	WSW	10.8	5	Ca. N.	...	1
2-23	.648	56.1	45.5	.197	44	WSW	4.8	10	Ca. N.	...	
2-28	.646	57.2	46.8	.208	44	WSW	7.2	10	Ca. N.	SW to NE	1
2-33	.642	57.3	45.8	.191	40	SSW	21.6	7	Cl. S.	...	
2-48	.646	58.1	46.1	.188	39	SSE	12.0	9	Cl. S.	NW to SE	
3-3	.646	57.7	46.0	.191	40	SSW	10.4	10	Cl. S.	NW to SE	Overcast.
3-18	.644	58.0	46.9	.207	43	WSW	10.4	7	Cl. S.	NW to SE	Hazy.
3-33	.650	57.8	46.7	.205	43	W	9.6	8	Ca. N.	SW to NW	Ditto.
3-48	.654	56.5	46.1	.205	44	WSW	11.6	7	Ca. N.	SW to NE	Ditto.
4-3	.653	57.6	47.0	.214	45	WSW	7.6	7	Ca. N.	NW to SE	
4-18	.655	56.8	47.1	.224	48	W	12.0	7	Ca. N.	NW to SE	Ditto.
4-33	.660	55.3	45.3	.200	45	W	10.8	9	Cl. S.	S to N	
4-53	.658	55.4	45.7	.208	47	WSW	5.1	9	Cl. S.	S to N	

Nine hundred and fifty miles from central line of totality Greatest obscuration, 5

HOUR.	BAROMETER		Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure	Relative humidity	WIND		Cloud proportion	Proportion of eclipse totality	WEATHER AND OTHER REMARKS
	Corrected and reduced to 32° F	Reduced to sea level and constant gravity					Direction	Amount speed in miles per hour			
Madras time						%					
A.M.	"	"	"	"	"	"					
9 11	30.017	29.995	82.5	72.1	618	58	SE		Nil		Clear blue sky
9-26	016	994	83.6	71.8	622	54	SE		"		
9-41	012	990	84.1	71.7	610	52	SE		"		
9-56	004	982	85.3	71.2	576	47	SE	40	"		
10-11	001	979	85.8	70.8	553	45	SE		"		
10-26	29.991	968	86.7	70.1	515	40	ESE		"		
10-41	980	937	87.0	70.5	526	41	NE		"		
10-56	970	947	87.9	70.3	506	38	NNE	60	"		
11-11	960	937	88.2	70.2	498	37	NNE		"		
11-26	952	929	88.7	70.2	491	36	NNE		"		
11-41	939	916	89.1	70.3	490	35	NNE		"		Ecl. pas began 0.4 P.M.
11-56	932	909	89.4	70.3	486	35	NNE	100	"		
0 11	930	907	88.9	70.3	488	36	NNE		"		
0-26	915	892	89.8	69.9	464	33	NNE		"		
0-31	912	889	89.9	70.3	480	34	NNE		"		
0-36	909	886	89.2	69.5	458	33	NNE		"		
0-41	906	883	89.9	70.4	483	34	NNE		"		
0-46	906	883	89.8	70.3	481	34	NNE		"		
0-51	906	883	89.4	70.6	497	36	NNE			1	
0-56	904	881	89.9	71.2	513	37	NNE	60		1	
1 1	902	879	89.5	70.9	508	37	NNE			1	Ecl. pas ended 2-58 P.M.
1 6	898	875	88.7	69.7	472	35	NNE			2	
1 11	896	873	88.7	70.4	499	36	NNE			2	
1 16	896	873	88.7	70.1	488	36	NNE			2	
1 21	892	869	88.6	70.2	491	36	NNE			3	
1 23	890	867	88.4	70.3	500	37	NNE			3	
1 31	886	863	88.7	71.1	527	39	NNE			3	
1 36	886	863	88.5	70.4	502	37	NNE			4	
1 41	886	863	87.9	70.2	502	37	NNE			4	
1 46	884	861	88.4	70.4	503	37	NNE			4	
1 51	881	858	88.0	70.9	528	40	NNE			5	
1 56	880	857	88.0	70.6	515	39	NNE	60		4	
2 1	880	857	88.1	71.1	534	40	NNE			4	
2 6	877	854	87.9	70.3	506	38	NNE			4	
2 11	877	854	87.2	70.2	511	39	NNE			4	
2 16	875	852	87.3	71.2	549	42	NNE			3	
2-21	875	852	87.5	70.9	535	41	NNE			3	
2-26	875	852	87.3	70.9	536	41	NNE			3	
2-31	875	852	87.3	70.5	522	40	NNE			3	
2-36	874	851	87.1	70.3	517	39	NNE			2	
2-41	872	849	87.3	70.3	514	39	NNE			2	
2-46	869	846	87.9	70.1	537	40	NNE			1	
2-51	868	845	87.6	70.8	529	40	NNE			1	
2-56	867	844	87.7	70.3	507	38	NNE	40		1	

Nine hundred and eighty-five miles from central line of totality. Greatest obscuration, 7.

Hour.	Barometer.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind		Cloud.		Proportion of eclipse actually to.	WEATHER AND OTHER REMARKS.
						Direction	Amount since preceding interval in miles per hour.	Kind.	Direction of motion.		
A.M.					%						
10-0	25.795	45.9	44.9	.288	92	N	...	N.	NE to SW		Fine clear weather throughout. Sky covered with grey and black cloud.
10-15	.809	46.1	45.1	.290	92	NW	3.6	N.	NE to SW		Ditto. Sea invisible.
10-30	.807	45.9	44.9	.288	92	NW	3.2	N.	NE to SW		Ditto. ditto.
10-45	.805	47.9	45.9	.288	86	NW	2.0	N.	NE to SW		Ditto. ditto.
11-0	.813	49.5	46.9	.293	83	NNW	2.0	N.	NE to SW		Ditto. ditto.
11-15	.811	50.9	47.9	.301	80	NNW	0.3	N.	NE to SW		Ditto. ditto.
11-30	.827	49.9	46.9	.288	80	NNW	1.6	Cu. N.	NE to SW		Sky is middle blue with thin white clouds and all around covered with white, grey and black cloud. Sun disappeared in clouds.
11-45	.817	50.9	46.9	.277	74	SW	2.4	Cu. N.	NE to SW		Ditto Sea invisible.
12-0	.817	50.9	47.9	.301	80	NNW	2.8	Cu. N.	NE to SW		Ditto ditto.
P.M.											
0-15	.809	50.9	47.9	.301	80	WNW	2.4	Cu. N.	NE to SW		Sky covered with white grey and black clouds
0-30	.802	51.7	47.9	.292	77	NW	6.8	Cu. N.	NE to SW		Ditto ditto.
0-45	.795	51.7	47.9	.292	77	NW	3.6	Cu. N.	NE to SW		Ditto ditto.
1-0	.789	50.9	47.5	.291	78	NW	6.0	Cu. N.	NE to SW		Ditto ditto.
1-5	.789	50.9	47.5	.291	78	NW	4.8	Cu. N.	NE to SW	5	Cloudy; sun visible through white clouds.
1-10	.791	50.9	46.9	.277	74	NW	6.0	Cu. N.	NE to SW	5	Ditto ditto.
1-15	.791	50.9	46.9	.277	74	NW	4.8	Cu. N.	NE to SW	5	Ditto ditto.
1-20	.787	50.9	46.9	.277	74	WNW	3.6	Cu. N.	NE to SW	6	Ditto ditto.
1-25	.777	50.9	46.9	.277	74	WNW	10.8	Cu. N.	NE to SW	6	Ditto ditto.
1-30	.773	50.9	46.9	.277	74	WNW	4.8	Cu. N.	NE to SW	7	Ditto ditto.
1-35	.773	50.9	46.9	.277	74	NNW	2.4	Cu. N.	NE to SW	6	Ditto ditto.
1-40	.775	50.9	47.5	.291	78	NW	2.4	Cu. N.	NE to SW	5	Ditto ditto.
1-45	.775	50.9	47.9	.301	80	NNW	2.4	Cu. N.	NE to SW	4	Ditto ditto.
1-50	.773	50.9	47.9	.301	80	NNW	2.4	Cu. N.	NE to SW	4	Ditto ditto.
1-55	.767	51.1	47.9	.298	80	NNW	3.6	Cu. N.	NE to SW		Ditto Sea disappeared in clouds.
2-0	.767	51.1	47.9	.298	80	NNW	2.4	Cu. N.	NE to SW	3	Ditto Sea visible through white clouds.
2-5	.767	51.5	47.9	.294	76	NW	1.2	Cu. N.	NE to SW		Ditto Sea invisible in clouds.
2-10	.771	51.5	47.9	.294	76	NW	2.4	Cu. N.	NE to SW		Ditto ditto.
2-15	.771	51.9	47.9	.289	75	NW	1.2	Cu. N.	NE to SW	2	Ditto Sea visible.
2-20	.771	51.9	48.5	.303	79	NW	10.8	Cu. N.	NE to SW	2	Ditto ditto.
2-25	.769	52.9	48.9	.302	75	NW	12.0	Cu. N.	NE to SW		Ditto Sea invisible.
2-30	.769	52.9	48.9	.302	75	NW	19.2	Cu. N.	NE to SW		Ditto Sea visible.
2-45	.765	53.9	48.9	.290	69	WSW	4.0	Cu. N.	NE to SW		Ditto
3-0	.754	53.9	48.9	.290	69	WSW	3.2	Cu. N.	NE to SW		Sky covered with white, grey and black clouds.
3-15	.756	53.9	48.9	.290	69	W	2.4	Cu. N.	NE to SW		Ditto ditto.
3-30	.758	54.5	48.9	.284	67	W	2.4	Cu. N.	NE to SW		Sky to parti-vent blue with thin white clouds and all around covered with white, grey and black clouds.
3-45	.752	56.5	50.9	.310	68	W	3.2	Cu. N.	NE to SW		Ditto ditto.
4-0	.746	56.9	49.9	.281	61	WSW	2.0	Cu. N.	NE to SW		Ditto ditto.

One thousand and twenty-eight miles from central line of totality. Greatest obscuration, 5.

HOUR.	BAROMETER.		Dry Bulb corrected.	Wet Bulb corrected.	Aqueous vapour pressure.	Relative humid- ity.	WIND		CLOUD.		Proportion of eclipse, totality to.	WEATHER AND OTHER REMARKS.
	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.					Direction.	Amount since preceding interval in miles per hour.	Proportion.	Kind.		
A.M.						%						
8-50	'9967	'9998	81.7	73.1	'701	65	NE	...	NH	...		Fine clear weather.
9-5	'939	'990	82.2	73.6	'714	65	NE	21.2	"	...		Ditto.
9-20	'956	'987	82.7	72.1	'647	58	NE	2.0	"	...		Ditto.
9-35	'953	'984	83.7	72.6	'653	57	NE	3.2	"	...		Ditto.
9-50	'943	'974	85.7	73.6	'667	55	NE	2.0	"	...		Ditto.
10-5	'937	'968	85.7	75.1	'730	59	NE	2.0	"	...		Ditto.
10-20	'931	'962	86.7	75.6	'738	58	N	3.6	1	Fr. Cu.		Ditto.
10-35	'920	'951	86.7	77.1	'803	63	NW	0.4	2	Fr. Cu.		Ditto.
10-50	'910	'941	86.7	77.1	'803	63	NW	6.0	2	Cu.		Ditto.
11-5	'903	'934	86.7	77.1	'803	63	NNW	7.6	3	Cu.		Ditto.
11-20	'894	'924	87.2	76.1	'752	58	NNW	8.0	3	Cu.		Ditto.
11-35	'887	'917	87.7	72.1	'579	44	NNW	8.0	3	Cu.		Ditto.
11-50	'879	'909	88.2	72.1	'573	43	NNW	2.8	3	Cu.		Ditto.
P.M.												
0-5	'872	'903	86.7	70.6	'534	42	NNW	6.0	3	Cu.		Ditto.
0-20	'860	'890	87.7	72.1	'579	44	NNW	4.8	3	Cu.		Ditto.
0-35	'851	'881	89.7	72.1	'553	39	NNW	4.8	3	Cu.		Hot and oppressive.
0-50	848	'878	89.7	72.1	'553	39	NNW	6.0	3	Cu.	1	Fine clear weather.
1-5	'846	'876	88.7	70.6	'507	38	NNW	5.2	3	Cu.	2	Ditto.
1-15	'845	'875	88.7	71.1	'527	39	NNW	5.4	3	Cu.	2	Ditto.
1-25	'841	'871	88.7	71.1	'527	39	NNW	3.0	3	Cu.	3	
1-35	'837	'868	86.7	70.1	'515	40	NNW	4.8	3	Cu.	3	Cloud over the sun.
1-45	'836	'867	86.7	70.1	'515	40	NNW	7.2	3	Cu.	4	Ditto. and cool breeze.
1-55	'830	'861	86.7	70.1	'515	40	NNW	7.2	2	Cu.	5	Cool breeze.
2-5	'832	'863	86.7	72.1	'593	47	NNW	11.4	NH	Fr. Cu.	4	Fine and cool.
2-15	'835	'866	86.7	72.1	'554	44	NNW	...	"	...	3	Ditto.
2-25	'825	'856	87.7	71.6	'500	43	NNW	3.0	"	...	2	Ditto.
2-35	'823	'853	88.2	72.6	'592	45	NNW	1.2	"	...	1	Ditto.
2-45	'823	'853	88.2	73.1	'613	46	NNW	5.6	"	...	1	Ditto.
2-55	'821	'851	87.2	72.1	'586	45	NNW	5.0	"	...	1	Ditto.

One thousand one hundred and sixty-eight miles from central line of totality. Greatest obscuration, 3.

Hour.	BAROMETER.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	WIND		Cloud, kind and proportion.	Proportion of eclipse, totality to.	WEATHER AND OTHER REMARKS.	
	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.					Direction.	Amount since preceding interval, in miles per hour.				
A.M.	"	"	"	"	"	"	"	"	"	"		
8-48	29.997	29.955	81.9	72.4	.669	61	WNW	...	" Nil		Cloudless sky. Atmosphere clear. Fine clear weather.	
9-3	'995	'953	83.9	73.2	.674	58	NW	2.0	"		Ditto	Ditto.
9-18	'990	'948	84.9	73.7	.682	57	NW	1.6	"		Ditto	Ditto.
9-33	'986	'944	85.7	74.2	.692	56	NW	2.6	"		Ditto	Ditto.
9-48	'981	'939	86.7	74.2	.677	53	Calm	0.4	"		Ditto	Ditto.
10-3	'974	'932	87.9	74.2	.662	50	Calm	0	"		Ditto	Ditto.
10-18	'966	'924	88.7	74.2	.650	48	WNW	2.0	"		Ditto	Ditto.
10-33	'956	'914	88.4	74.4	.663	49	WNW	1.2	"		Ditto	Ditto.
10-48	'947	'904	89.9	74.7	.656	47	W	4.8	"		Ditto	Ditto.
10-53	'943	'900	89.9	74.4	.643	45	...	...	"		Ditto	Ditto.
10-58	'939	'896	89.9	73.4	.602	43	...	...	Cu.		Small isolated masses of clouds to NNE. Sky blue. Clear weather.	
11-3	'934	'892	89.4	73.7	.611	45	WSW	2.4	Cu.		Small isolated masses of clouds. Sky blue and clear weather.	
11-8	'934	'892	89.1	74.2	.645	47	...	...	Cu.		Ditto clouds to NNE, and E.	Do.
11-13	'932	'889	90.4	74.2	.628	44	...	...	Cu.		Ditto	Do.
11-18	'930	'887	90.7	74.2	.625	43	NW	2.8	Cu.		Ditto clouds to N, NNE, and E.	Do.
11-23	'930	'887	90.7	74.4	.635	43	...	...	Cu.		Ditto clouds to N, and E.	Do.
11-28	'926	'883	90.4	74.1	.628	44	...	...	Cu.		Ditto clouds from N. to NNW, S. and SSE, Do.	
11-33	'914	'879	90.7	74.2	.623	43	N	4.0	Cu.		Ditto clouds from N. to NNW. and SSE.	Do.
11-38	'920	'877	90.4	74.2	.628	44	...	...	Cu.		Ditto clouds from N to W, and SSE.	Do.
11-43	'916	'873	90.9	74.7	.642	45	...	...	Cu.		Ditto	Do.
11-48	'912	'869	90.9	73.7	.601	42	NNW	2.0	Cu.		Ditto clouds from N. to SSE, and SSW.	Do.
11-53	'912	'869	92.4	75.2	.643	43	...	...	Cu.		Ditto clouds from N. to S. and SSW.	Do.
11-58	'910	'867	91.4	77.0	.734	49	...	...	Cu.		Ditto clouds to N. and S.	Do.
P.M.	"	"	"	"	"	"	"	"	"	"		
0-3	'908	'865	90.9	76.7	.728	49	NW	3.2	Cu.		Ditto clouds from N to E. and S.	Do.
0-8	'905	'862	91.7	77.0	.730	49	...	...	Cu.		Ditto	Do.
0-13	'903	'860	91.7	77.0	.730	49	...	...	Cu.		Ditto clouds from N to S.	Do.
0-18	'903	'860	91.7	77.2	.739	49	NW	3.2	Cu.		Ditto	Do.
0-23	'903	'860	90.9	76.2	.706	49	...	...	Cu.		Ditto	Do.
0-28	'8.9	'856	90.7	76.0	.700	49	...	...	Cu.		Ditto clouds from NE to S.	Do.
0-33	'899	'856	90.7	75.7	.687	48	NW	4.4	Cu.		Ditto clouds from E to S.	Do.
0-38	'897	'854	90.9	76.2	.706	49	...	...	Cu.		Ditto clouds from SE to S.	Do.
0-43	'893	'851	89.9	75.4	.686	48	...	...	Cu.		Ditto clouds to SSE.	Do.
0-48	'891	'848	90.9	76.2	.706	49	NW	6.4	Cu.		Ditto	Do.
1-3	'889	'846	89.7	75.7	.701	50	WNW	4.4	Cu.	1	Ditto clouds to SSE, and S.	Do.
1-18	'888	'846	88.9	76.2	.733	54	WNW	5.6	Cu.		Ditto	Do.
1-33	'880	'838	87.9	75.7	.726	56	NW	4.0	Cu.		Ditto clouds to SE.	Do.
1-48	'880	'838	86.4	75.7	.745	59	WNW	8.8	Nil		Cloudless sky ; fine clear weather ; blue sky.	
2-3	'876	'831	85.4	75.2	.738	60	NW	5.2	"	3	Ditto	Ditto.
2-18	'875	'833	86.4	76.2	.767	62	NW	6.4	"		Ditto	Ditto.
2-33	'873	'831	85.9	76.2	.774	62	NW	3.6	"	1	Ditto	Ditto.
2-48	'871	'829	86.9	77.2	.804	63	NW	5.6	"		Ditto	Ditto.

No. 154. Lat. 12° 11' E.

MERGUI.

Long. 98° 38' E

One thousand two hundred and seventy-five miles from central line of totality. Greatest obscuration, 2.

Hour.	BAROMETER.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	WIND		Cloud, kind and proper floor.	WEATHER AND OTHER REMARKS
	Corrected and reduced to 32° F.	Corrected to sea-level and constant gravity.					Direction.	Amount since preceding interval, in miles per hour.		
A.M.						%				
8-46	29.915	29.943	83.6	74.4	723	63	Calm	...	Nil	Blue sky throughout.
9-1	9.19	9.17	82.0	73.9	729	67	NNE	0.8	"	
9-16	9.15	9.13	82.8	73.9	717	63	NNE	1.6	"	
9-31	9.08	9.06	84.6	74.9	735	61	NNE	2.0	"	
9-46	9.04	9.02	83.4	71.4	731	63	NNE	2.4	"	
10-1	8.99	9.07	82.0	71.2	742	68	NNE	2.8	"	
10-16	8.93	9.01	83.6	75.2	761	65	NNE	2.8	"	
10-31	8.91	9.19	84.6	75.6	765	64	NNE	6.4	"	
10-46	8.84	9.12	84.1	74.9	742	63	NNE	2.0	"	
11-1	8.77	9.04	85.6	74.8	718	61	NNE	0	Cu.	
11-16	8.69	8.96	86.8	75.6	735	58	Calm	1.6	Cu.	
11-31	8.59	8.86	86.6	76.2	763	60	Calm	2.4	Cu.	
11-46	8.48	8.75	86.4	75.6	741	59	NNE	2.8	Cu.	
P.M.										
0-1	8.40	8.67	85.8	75.4	740	59	NNE	2.8	Cu.	
0-16	8.32	8.59	86.6	75.9	751	59	NNE	3.2	Cu.	
0-31	8.20	8.47	86.2	76.0	762	61	NNE	4.8	Cu.	
0-46	8.14	8.41	86.6	76.4	746	55	N	2.4	Cu.	
0-51	8.10	8.37	86.6	76.4	773	60	...	...	Cu.	
0-56	8.10	8.37	87.6	74.4	674	51	N	3.6	Cu.	
1-1	8.08	8.35	87.6	77.4	803	61	...	...	Cu.	
1-6	8.03	8.30	82.0	77.4	798	60	Calm	3.6	Cu.	
1-11	8.03	8.30	87.1	77.4	810	62	...	...	Cu.	
1-16	8.07	8.34	87.6	77.4	803	61	Calm	2.4	Cu.	
1-21	7.99	8.25	87.4	77.6	816	63	...	...	Cu.	
1-26	7.99	8.25	86.6	77.6	826	65	N	2.4	Cu.	
1-31	7.97	8.23	85.1	76.9	802	64	...	...	Cu.	
1-36	7.98	8.24	85.6	77.4	830	67	Calm	5.4	Cu.	
1-41	8.00	8.26	85.6	76.4	787	61	...	...	Cu.	
1-46	8.00	8.26	85.6	76.9	808	65	N	5.4	Cu.	
2-1	7.98	8.14	85.6	77.4	830	67	N	2.4	Cu.	
2-16	7.92	8.18	85.6	77.4	830	67	N	2.8	Nil	
2-31	7.88	8.14	85.6	77.2	820	66	N	1.6	"	
2-46	7.88	8.14	85.6	77.4	830	67	N	2.4	"	

The following gives series of observations recorded at three stations on the line of totality by members of various eclipse parties. The first series were recorded at Viziadrug, the second series at Ghunghuti in Central India and the third at Dumraon in Bihar.

Meteorological observations recorded at the fort of Viziadrug in connection with the Solar Eclipse of January 22nd, 1898.

Viziadrug is situated on the coast of the Konkan, about 30 miles south of Ratnagiri and 170 miles south of Bombay in Lat. $16^{\circ} 34' N.$ and Long. $73^{\circ} 22' E.$

The harbour is one of the best on the West Coast, and can be entered in all weathers. To the south of the harbour on a neck of rocky land is the fort of Viziadrug, which rises about 100 feet above the river. It is one of the strongest Mahomedan fortresses in the Konkan. It has a triple line of walls with numerous towers. The highest point of the fort is at the extremity of the neck facing the sea.

A temporary shed of the Bengal pattern was erected for the temperature observations. It consisted of an elliptical-shaped thatched roof, about 6 inches thick, supported by wooden pillars, and was 25 feet long and 15 feet broad.

Six thermometers were freely suspended to cross pieces of bamboo, and on a table were placed a Richard barograph and a Richard thermograph.

At a distance of about 20 feet to the south of the shed was placed a solar radiation thermometer on a suitable stand, and at a greater distance in a westerly direction were erected a wind vane and a Robinson anemometer on a wooden stand about 5 feet high so that these instruments could be read easily and without mounting a ladder. They were placed on the highest part of the fort. As the elevation of these instruments was about 100 feet above the level of the sea, the nearest points of which in the easterly and southerly directions were about 100 yards away, they were well exposed and showed the direction of the air movement quite satisfactorily.

Instruments.—The instruments employed in the observations were as follows:—

Richard Freres' Barograph,	No. 22,704, by Casella,	
Richard Freres' Thermograph,	No. 19,544, by Casella,	
Fortin Barometer, by Casella,		
Standard Thermometer,	No. 280	} by Bailey of Manchester.
Ditto,	" 281	
Ditto,	" 282	
Ditto,	" 283	
Ditto,	" 284	
Ditto,	" 245	
Solar Radiation Thermometer,	No. 61,169, by Negretti and Zambra,	
Wind vane, by Adie.		
Robinson Anemometer,	No. 548, by Casella.	

The observations that were recorded in connection with the solar eclipse were as follows:—

- (1) Eye observations of temperature, pressure, wind direction and amount and weather taken by twelve of the crew of the *McIpomene* at intervals of five minutes from 11 A.M. to 1-20 P.M. on the 22nd of January.
- (2) Eye observations recorded during the period from 9-15 A.M. of the 21st to 2-30 P.M. of the 24th.
- (3) Observations of pressure and of the dry and wet bulb temperatures from

5 P.M. of the 20th to 3 P.M. of the 24th recorded by a Richard barograph and a Richard thermograph.

In the following table (Table I) are given the observations of pressure, temperature of the air, wind direction and readings of an anemometer and a solar radiation thermometer during the period of the solar eclipse by twelve members of the crew of *H.M.S. Melpomene*. The barometer was placed in a room of the Public Works Department rest-house in the Viziadrug fort, and was read by G. Woolston and P. Kieffe, Petty Officers, 1st class. The solar radiation thermometer, No. 61,169, by Negretti and Zambra, was placed on a suitable stand at the elevation of 4 feet from the ground. The instrument was in the charge of G. Butt. He was instructed to set the instrument before each reading so as to give the actual reading of the instrument at the instant of observation and carried out his instructions most carefully. The wind vane was a small instrument, by Adie of London, and the anemometer, a small Robinson instrument by Casella, of the usual type used at the Indian meteorological stations. They were placed on a stand about four feet from the ground in a very open and favourable position. The wind observations were taken by C. Mintram.

The temperatures of the air in the shed given in the table below are the means of simultaneous readings of two of the Bailey thermometers, which were freely suspended.

TABLE I.—*Observations recorded by members of the crew of H.M.S. Melpomene at five minutes interval during the solar eclipse, 22nd January 1898.*

Hour.	Barometer reduced to 32° F.	Mean temperature in the shade.	Solar radiation thermometer No. 61169 corrected	Difference, solar radiation thermometer and air temperature.	Wind direction.	Anemometer reading.	Amount of wind recorded during interval, in miles	Wind velocity, since prece- ding interval, in miles per hour	Portion of sun's disc covered (by calculation),
Madras time.									
11-0		86.9	138.6	51.9	SE	198.2			
11-5	29.949	86.9	139.3	52.4	E	198.6	0.4	4.8	
11-10	939	87.5	138.6	51.1	SE	199.2	0.6	7.2	
11-12	939	87.6	139.3	51.7	SE	199.5	0.3	9.0	
11-15	939	86.5	140.1	53.6	SE	199.9	0.4	8.0	
11-20	939	87.6	140.6	53.0	SE	200.4	0.5	6.0	.15
11-25	939	87.3	139.8	52.5	SE	200.9	0.5	6.0	.04
11-30	939	88.0	139.7	51.7	SE	201.3	0.4	4.8	.08
11-35	939	88.3	136.3	48.0	E	201.7	0.4	4.8	.12
11-40	939	88.2	134.1	45.9	E	202.0	0.3	3.6	.17
11-45	939	87.8	131.7	43.3	Var.	202.5	0.5	6.0	.22
11-50	937	87.8	128.6	40.8	E	203.0	0.5	6.0	.27
11-55	929	86.9	126.1	39.2	E	203.6	0.6	7.2	.33
Noon	929	86.9	122.3	35.4	E	204.1	0.5	6.0	.39
1-5	919	86.9	118.2	31.2	NE	204.4	0.3	3.6	.45

Hour.	Barometer reduced to 32° F.	Mean temperature in the shade	Solar radiation thermometer No. 61169 corrected.	Difference, solar radiation thermometer and air temperature.	Wind direction.	Anemometer reading.	Amount of wind recorded during interval, in miles.	Wind velocity since preced- ing interval, in miles per hour.	Portion of sun's disc covered (by calculation).
Madras time.									
P.M.									
0-10	29.931	86.5	114.1	27.6	NNE	201.8	0.4	4.8	.51
0-15	921	86.5	109.8	23.3	R	205.2	0.4	4.8	.58
0-20	921	86.2	104.6	18.4	SE	205.5	0.1	3.6	.65
0-25	921	86.2	100.6	14.4	SE	205.7	0.2	2.4	.72
0-30	911	85.8	96.1	10.3	SSE	205.8	0.1	1.2	.80
0-35	914	83.7	90.6	6.9	WSW	206.0	0.2	2.4	.89
0-40	907	82.8	84.8	2.0	WSW	206.1	0.1	1.2	1.00
0-43			81.8						
0-45			80.8						
0-47			79.3						
0-50	899	81.5	78.1	-3.4	W	207.3	1.2	7.2	
0-55		81.0	78.8	-2.2	W	208.0	0.7	8.4	
1-0		80.8	81.3	0.5	W	208.8	0.8	9.6	
1-5		80.8	85.3	4.5	WSW	209.4	0.6	7.2	
1-10		80.8	90.3	9.5	W	210.1	0.7	8.4	
1-15		81.1	94.8	13.7	WSW	210.9	0.8	9.6	
1-20		81.9			WSW	211.5	0.6	7.2	

Eye observations were recorded by myself from the 21st to the 24th January.

The most important observations recorded at Viziadrag were those registered by a Richard barograph and a thermograph. The cylinders of these instruments revolved in 24 hours, and hence the traces are open and admit of fairly exact measurement, the trace of the barograph to "004" and of the thermograph to 0°2.

The instruments were placed on a table rigidly fixed in the open shed facing the north. The thermograph was freely exposed to the air, whilst it was protected as far as possible from irregular reflection and radiation from the ground, rocks, etc.

The following gives the measured readings of these instruments at intervals of 15 minutes from 5 P.M. of the 20th to 2.45 P.M. of the 24th and also occasional eye readings taken for the purpose chiefly of verifying the readings of the automatic instruments:—

Lat 16° 34' N.

VIZIADRUG

Long 73° 22' E

On the central line of totality.

DATE	HOUR		Barometer reduced to 32° F	Dry bulb, No. 261 °F	THERMOGRAPH		Aqueous wsp in pressure	Relative humidity	WIND		Cloud proper- tion	Solar radiation thermo- meter	Direction of wind as observed by eye	WEATHER AND OTHER REMARKS
	Madras time	Baro- graph			Dry bulb	Wet bulb			Direction	Amount in preceding interval in miles per hour				
20th Jan	P M	"			"	"	"	%				"		
	5-0	29.82			78.0	68.5	571	60						
	5-15	81			77.7	68.8	566	61						
	5-30	80.5			77.9	69.1	594	60						
	5-45	81			77.5	67.7	549	58						
	6-0	82			76.9	67.3	542	59						
	6-15	82			76.3	67.4	552	60						
	6-30	83.0			76.1	67.0	541	60						
	6-45	83.5			75.9	67.1	547	61						
	7-0	84			75.9	67.3	555	62						
	7-15	84			76.0	67.3	553	61						
	7-30	84.3			76.0	67.3	571	63						
	7-45	84.5			76.0	67.2	550	61						
	8-0	84.7			76.1	67.0	541	60						
	8-15	84.8			76.0	67.6	563	62						
	8-30	85.0			76.0	67.3	553	61						
	8-45	85.5			76.0	67.5	560	62						
	9-0	86.0			75.5	67.5	567	64						
	9-15	86.0			75.2	67.4	568	65						
	9-30	86.2			74.5	66.9	559	66						
	9-45	86.5			73.9	66.1	538	64						
	10-0	86.8			73.5	65.8	531	64						
	10-15	86.5			73.1	65.6	531	65						
	10-30	86.5			73.0	65.5	529	65						
	10-45	86.5			72.0	65.1	515	63						
	11-0	86.6			72.2	65.1	526	67						
	11-15	86.6			72.0	65.0	525	67						
	11-30	86.5			71.8	65.1	531	68						
	11-45	86.5			71	65.0	532	69						
	11-55	86.0			71.1	65.0	538	71						
	12-00	86			71.3	65.1	538	70						
	0-30	86			71.2	64.9	532	70						
	0-45	85			71.1	64.4	516	67						
	1-0	85			69.8	63.7	510	70						
	1-15	84			69.2	64.0	528	74						
	1-30	84			68.9	63.5	501	68						
	1-45	83			69.2	62.3	471	65						
	2-0	83			68.5	61.8	465	66						
	2-15	82			67.5	60.8	446	66						
	2-30	82			66.8	60.7	452	69						
	2-45	81			66.2	60.2	443	68						

Lat, 16° 34' N.

VIZIADRUG—*contd.*

Long. 73° 22' E.

On the central line of totality.

DATE.	HOUR.	Barograph.	Barometer reduced to 32° F.	Dry bulb, No. 251.	THERMOGRAPH.		Aqueous vapour pressure.	Relative humidity.	WIND.		Cloud proportion.	Solar radiation thermometer.	Apparent temperature corrected for radiation by	WEATHER AND OTHER REMARKS.
					Dry bulb.	Wet bulb.			Direction.	Amount since preceding interval, in miles per hour.				
21st Jan. — <i>contd.</i>	A.M.	.	.	.	.	.	.	%				.
	3-0	29.81			66.2	60.0	.437	67						
	3-15	.80			65.9	59.9	.437	65						
	3-30	.80			65.0	59.4	.424	70						
	3-45	.80			65.3	59.1	.421	67						
	4-0	.80			66.1	59.0	.407	64						
	4-15	.80			66.4	58.2	.378	53						
	4-30	.80			66.1	58.0	.376	59						
	4-45	.80			66.1	57.9	.374	53						
	5-0	.81			66.0	57.7	.368	53						
	5-15	.81			65.1	57.8	.354	62						
	5-30	.81			64.0	57.2	.379	61						
	5-45	.82			63.6	57.7	.400	68						
	6-0	.83			63.6	56.9	.375	64						
	6-15	.84			63.7	56.8	.371	63						
	6-30	.84			63.2	56.9	.381	66						
	6-45	.84			63.0	55.1	.338	57						
	7-0	.85			63.1	56.4	.367	63						
	7-15	.85			65.6	57.2	.358	56						
	7-30	.87			69.0	59.5	.381	54						
	7-45	.88			72.1	60.5	.374	48						
	8-0	.85			69.6	58.9	.357	48						
	8-15	.89			69.4	59.9	.391	54						
	8-30	.89			69.5	60.1	.396	54						
	8-45	.917			70.0									
	9-0	.95												
	9-15	.95	29.937	77.9	74.5	61.3	.368	43	ESE		Nil	132.0		
	9-30	.95	.953	77.5	73.3	61.1	.377	46	NN	1.6	"	134.7		
	9-45	.95	.962	78.3	74.2	63.7	.441	54	N	2.0	"	136.7		Wine just moving.
	10-0	.95	.967	79.7	75.0	64.0	.451	52	NW	2.0	"	140.0		Fine clear bright atmosphere throughout.
	10-15	.94	.950	80.4	76.0	65.0	.472	53	NE	3.2	"	143.0		
	10-30	.94			77.4	65.8	.422	52						
	10-40		.938	82.4					Variable	1.4	"	146.0		
	10-45	.93	.939	80.0	78.2	64.2	.414	43	SE	10.8	"	147.0		
	11-0	.93			81.0	63.2	.343	32						
	11-15	.93			82.0	63.0	.323	30						
	11-30	.92			82.2	62.3	.304	27						
	11-45	.90			82.5	62.7	.307	27						
	Noon	.90			82.3	63.3	.329	30						
	P.M.													
	0-15	.90			83.1	62.7	.299	26						
	0-30	.89	.887	83.8	83.1	63.8	.320	20	ENE	6.7	"	148.6		

Lat. 16° 34' N.

VIZIADRU—contd.

Long. 73° 22' E.

On the central line of totality.

DATE.	TIME.		Barograph.	Barometer reduced to 32° F.	Dry bulb, No. 251 F.	THERMOMETER.		Aqueous vapour pressure.	Relative humidity.	WIND.		Cloud proportion.	Solar radiation thermometer.	Preparation of sun observations.	WEATHER AND OTHER REMARKS.
	Madras time.	P.M.				Dry bulb.	Wet bulb.			Direction.	Amount since preceding observation, in miles per hour.				
21st Jan.—contd.	0-45	88			87.1	84.0	63.5	313	27	ENE	2.8	Nil	1488		
	1-0	87				84.0	65.3	380	32						
	1-15	86				84.3	65.5	378	32						
	1-30	85				82.0	65.0	391	36						
	1-45	84				80.3	65.5	432	43						
	2-0	83				79.9	65.8	443	44						
	2-15	83				79.9	65.4	434	42						
	2-30	82				79.8	65.0	421	41						
	2-45	81				79.4	64.8	420	42						
	3-0	80				79.2	63.8	385	38						
	3-15	80			83.8	79.0	64.1	400	40	WSW	9.0	Nil	1140		
	3-30	80				79.0	64.5	425	43						
	3-45	80				79.1	65.0	430	43						
	4-0	80				79.1	64.8	423	42						
	4-15	80				79.0	64.7	421	42						
	4-30	80				78.7	64.2	408	41						
	4-45	80				78.3	65.3	452	46						
	5-0	81				78.4	65.2	451	46						
	5-15	81	29.827		82.4	78.1	65.9	476	50	WSW	19.6		850		
	5-30	82				78.2	65.4	457	47						
	5-45	82				77.9	65.3	458	48						
	6-0	83				77.2	65.2	462	49						
	6-15	83				77.0	65.3	469	50						
	6-30	84				76.9	66.4	500	55						
	6-45	84				76.7	64.5	445	48						
	7-0	85				77.3	65.2	461	49						
	7-15	85				76.6	66.4	513	56						
	7-30	86				75.9	67.1	547	61						
	7-45	87				75.8	66.7	534	60						
	8-0	87				76.0	66.0	507	56						
	8-15	87				76.0	66.1	510	56						
	8-30	87				75.2	65.9	514	59						
	8-45	87				74.9	65.5	504	58						
	9-0	87				74.3	65.6	515	60						
	9-15	87				73.9	65.0	499	59						
	9-30	87				73.2	64.7	499	61						
	9-45	87				73.4	64.8	500	61						
	10-0	87				73.2	64.4	483	59						
	10-15	87				72.8	64.4	493	60						
	10-30	87				72.4	64.3	496	62						
	10-45	87				72.1	64.0	496	62						

Lat. $16^{\circ} 34' N.$

VIZIADRUG—cont'd.

Long 73° 22' E.

On the central line of totality

DATE	Hour.	Baro- graph	Baro- meter reduced to 32° F	Dry bulb No. 251	THERMOGRAPH		Apparent vapour pressure	Relative humidity	WIND		Cloud propor- tion	Solar radiation thermo- meter	Height and direction of wind as observed by sight	WEATHER AND OTHER REMARKS
	Madras time				Dry bulb	Wet bulb.			Direction	Amount of wind prevailing in miles per hour				
22nd Jan —cloud	A.M.	"	"	"	"	"	"	%				"		
	8-45	29.96			71.2	60.3	37.9	49						
	8-50				70.3				E	2.4		127.0		
	9-0	96			72.4	60.7	37.6	48	E	3.2		120.6		
	9-5				77.5									
	9-15	97			73.9	61.9	39.6	47						
	9-30	97			75.0	63.6	43.7	47						
	9-45	97			76.3	63.5	41.6	46						
	10-0	97			77.9	63.9	40.8	43						
	10-15	96			79.6	64.8	41.7	41						
	10-25				83.1				ENE	7.0	Nil	141.0		
	10-30	96				80.1	65.7	44.1	43					
	10-45	96			84.2	81.5	65.3	40.9	38	SE	7.2	Nil	145.0	Fine bright sun
	10-50		29.961		85.5				ESE	6.0	"			
	11-0	95			85.5	82.4	64.5	35.9	33	E	"			
	11-5				85.6				L	"	"			
	11-10				86.0				E	"	"			
	11-12				86.0				E	"	"			Eclips begins
	11-15	94			86.0	82.6	65.3	36.4	35	E	"			Slight portion observed
	11-20				85.8				SE	6.2	"			1/4 of 1/16th part of sun obscured.
	11-25				86.2				E	"				
	11-30	94			86.0	83.0	65.2	38.5	34	E	"			
	11-35				85.8							Nil		
	11-40				86.0						"			
	11-45	93			86.0	83.0	64.5	36.1	32		"			
	11-50				86.2						"			About one-eighth covered
	11-55				85.6						"			About one-third covered
	Noon P.M.	93			85.6	82.9	65.5	39.7	35	E	7	"		About one-third covered
0-5				85.6					E					
0-10				84.5					E				Half obscured	
0-15	92			84.4	82.2	63.3	35.0	30	E	0.2	Nil			
0-20				84.7					E		"			
0-25				83.8					SE	3.0	"		Nearly two-thirds observed.	
0-30	91			83.3	81.7	65.9	42.7	39	Calm change to W	"			About three-fourths covered.	
0-35				82.2					Calm	"			North - S.S. Wind faint - The wind to 10 minutes before totality was E and diminished in force till it was almost calm. Three minutes before totality it changed to west and gradually in- creased in force	
0-40				81.1						"				
0-43				79.9						"				
0-44				79.5						"				
0-45	90			79.3	65.9	46.9	46			"			Totality	
0-46				79.2						"				

Lat. $16^{\circ} 34' N.$ VIZIADRUG—*could.*Long. $73^{\circ} 22' E.$ *On the central line of totality.*

DATE.	HOOR	Baro- graph.	Baro- meter reduced to 32° F.	Dry bulb No. 201.	THERMOGRAPH.		Aqueous vapour pressure.	Relative humidity.	WIND.		Cloud propor- tion.	Solar radiation thermo- meter.	Temperature of sun- beams observed by eye.	WEATHER AND REMARKS.
	Mada- ras time.				Dry bulb.	Wet bulb.			Direction	Amount since pre- ceding interval, in miles per hour.				
21st Jan. — <i>could.</i>	P.M.	"	"	"	"	"	"	%				"		
	0-50			80.1										
	0-55			80.2					W	4.6				
	1-0	29.90			77.5	65.9	.484	48						
	1-5			80.2					WSW	9.6				
	1-10			80.6										
	1-15	.89			77.5	66.0	.487	48						
	1-30	.88		83.3	78.0	65.0	.445	46	WSW	6.5	Nil	114.0		
	1-45	.87		84.6	78.2	65.2	.449	46	WSW	9.2	"	126.8	1	
	1-50			85.1					WSW	7.2	"			
	2-0	.87			78.8	65.8	.463	47						
	2-3			85.6					WSW	9.2	"		11	
	2-15	.87		87.1	80.0	65.9	.450	44	WSW	5.5	"	141.6	0	
	2-30	.87			80.1	65.6	.438	43						
	2-45	.86			80.2	64.3	.417	37						
	3-0	.86			80.0	65.2	.425	41						
	3-15	.86			80.1	65.7	.441	43						
	3-30	.86			80.0	65.0	.418	41						
	3-45	.86			79.9	65.5	.437	43						
	4-0	.87			79.4	65.7	.450	45						
	4-15	.87			79.0	65.4	.446	45						
	4-30	.87			78.9	65.8	.462	47						
	4-45	.87			79.0	65.3	.442	44						
	5-0	.87			78.9	65.9	.465	47						
	5-15	.87			78.7	65.2	.453	47						
	5-30	.87			78.5	65.5	.469	48						
	5-45	.87			78.3	65.2	.448	47						
	6-0	.87			77.4	65.4	.467	50						
	6-15	.88			77.0	65.1	.461	49						
	6-30	.89			76.5	65.2	.472	52						
	6-45	.90			76.2	65.3	.482	53						
	7-0	.90			76.2	65.6	.490	55						
	7-15	.91			76.0	65.2	.478	53						
	7-30	.90			76.0	65.0	.472	53						
	7-45	.90			76.0	65.4	.485	54						
	8-0	.91			76.0	65.4	.486	54						
	8-15	.91			75.9	65.8	.502	56						
	8-30	.92			75.7	65.8	.504	56						
	8-45	.93			75.6	65.7	.501	56						
	9-0	.93			75.7	66.0	.531	68						
	9-15	.94			71.5	65.0	.532	69						

Lat. 16° 34' N.

VIZIADRUG—contd

Long 73° 22' E

On the central line of totality

DATE	HOUR.		Barometer reduced to 32° F	Dry bulb No. 251	THERMOGRAPH		Aqueous vapour pressure	Relative humidity	WIND		Cloud percentage	Solar radiation thermo- meter	Report on of sun's position at noon	WEATHER AND OTHER REMARKS
	Madras time	Baro- graph			Dry bulb	Wet bulb			Direction	Amount since pre- ceding interval, in miles per hour				
22nd Jan —contd.	PM	"	"	"	"	"	"	"				"		
	9 30	99.94			71.2	65.3	546	71						
	9 45	94			71.1	63.9	499	65						
	10-0	94			70.9	63.4	485	64						
	10-15	94			70.4	63.3	489	66						
	10 30	94			70.0	63.0	484	66						
	10 45	94			69.8	62.5	470	65						
	11 0	94			69.2	62.7	474	68						
	11 15	94			69.0	62.1	467	65						
	11 30	94			68.9	61.1	436	62						
	11-45	94			68.6	61.0	437	63						
	Mid night 1 M	94			68.8	61.0	434	62						
23rd "	0-15	94			69.0	60.9	440	61						
	0 30	94			68.7	60.7	423	61						
	0 45	94			68.0	60.7	436	64						
	1-0	94			67.5	60.4	433	64						
	1 15	94			67.0	60.0	426	64						
	1 30	94			66.5	59.9	430	66						
	1 45	94			66.4	59.7	425	65						
	2-0	94			66.0	59.4	421	66						
	2 15	94			66.0	59.6	427	66						
	2 30	94			66.0	59.8	433	67						
	2 45	94			65.7	59.4	424	67						
	3 0	94			65.7	59.3	421	66						
	3 15	93			65.4	59.2	423	67						
	3 30	93			65.3	59.6	436	70						
	3 45	93			65.2	59.3	427	68						
	4-0	93			64.9	59.0	422	68						
	4 15	93			65.0	59.6	440	71						
	4 30	93			65.3	59.8	442	71						
	4 45	93			65.0	59.9	450	73						
	5-0	93			65.0	60.8	479	77						
	5 15	93			65.6	60.9	475	75						
	5 30	93			66.0	61.1	474	73						
	5 45	93			65.9	60.2	466	70						
	6-0	93			65.0	59.2	428	69						
	6-15	93			64.0	58.0	404	68						
	6-30	94			63.1	57.0	416	72						
	6 45	94			64.0	57.1	438	73						
	7-0	94			66.5	62.3	430	63						

Lat. 16° 34' N.

VIZIADRUG—*contd.*

Long. 73° 22' E.

On the central line of totality.

DATE.	Hour.	Barograph.	Barometer reduced to 32° F.	Dry bulb. No. 281.	THERMOGRAPH.		Aqueous vapour pressure.	Relative humidity	WIND.		Cloud proportion.	Solar radiation thermometer.	Preceding and succeeding eclipses as observed by eye.	WEATHER AND OTHER REMARKS.
	Madras time.				Dry bulb.	Wet bulb.			Direction.	Amount since preceding interval, in miles per hour.				
23rd Jan. — <i>contd.</i>	A.M.							%						
	7-15	29.94												
	7-30	29.95												
	7-45	29.96												
	8-0	29.97			67.9	59.7	2.405	59						
	8-15	29.97			68.9	60.1	2.404	57						
	8-30	29.98			70.0	61.3	2.429	58						
	8-45	29.99			72.1	61.8	2.417	53						
	9-0	30.00			73.9	62.0	2.398	47						
	9-15	30.00			75.3	62.9	2.409	46						
	9-30	30.00			76.6	64.2	2.435	47						
	9-45	29.99			77.2	64.9	2.452	49						
	10-0	29.98			78.5	66.1	2.476	50						
	10-15	29.98			79.9	67.0	2.490	48						
	10-30	29.98			79.9	66.0	2.454	44						
	10-45	29.97			79.6	66.4	2.473	47						
	11-0	29.96			78.8	67.3	2.516	52						
	11-15	29.95			78.6	67.2	2.513	52						
	11-30	29.94			79.0	67.7	2.529	53						
	11-45	29.94			79.0	68.2	2.546	55						
	Noon	29.93			79.5	68.6	2.554	55						
	P.M.													
	0-15	29.92			79.9	68.6	2.549	54						
	0-30	29.91			79.8	68.7	2.555	55						
	0-45	29.90			79.8	68.5	2.547	54						
	1-0	29.90			79.8	68.4	2.542	53						
	1-15	29.90			79.8	68.5	2.547	54						
	1-30	29.89			79.3	68.5	2.553	56						
	1-45	29.88			79.3	68.5	2.553	56						
	2-0	29.87			79.6	68.9	2.564	56						
	2-15	29.87			79.7	68.7	2.556	55						
	2-30	29.87			79.8	69.2	2.573	57						
	2-45	29.86			80.0	69.3	2.576	57						
	3-0	29.86			79.9	69.5	2.585	53						
	3-15	29.85			79.7	68.9	2.562	56						
	3-30	29.85			79.8	69.1	2.568	56						
	3-45	29.85			79.8	69.0	2.565	56						
	4-0	29.85			79.5	69.2	2.577	57						
	4-15	29.85			79.2	69.4	2.589	59						
	4-30	29.84			78.9	69.5	2.596	60						
	4-45	29.84			78.4	69.2	2.592	61						

Lat. 16° 34' N.

VIZIADRUG—contd.

Long. 73° 22' E.

On the central line of totality.

DATE.	HOUR. Madras time.	Baro- graph.	Barometer reduced to 32° F.	Dry bulb, No. 281.	THERMOGRAPH.		Aqueous vapour pressure.	Relative humidity.	WIND		Cloud propor- tion.	Solar radiation thermo- meter.	Proportion of sun dis- covered as observed by eye.	WEATHER AND OTHER REMARKS.
					Dry bulb.	Wet bulb.			Direction.	Amount since pre- ceding interval, in miles per hour.				
23rd Jan. —concl.	P.M.				°	°	"	%						
	5-0	29.84			78.3	69.6	60.9	63						
	5-15	84			78.8	71.3	65.7	68						
	5-30	84			78.9	71.1	65.8	67						
	5-45	84			78.7	70.7	62.9	65						
	6-0	85			77.5	70.1	63.7	67						
	6-15	85			77.7	70.2	64.7	69						
	6-30	86			77.0	70.7	64.4	69						
	6-45	86			77.0	70.5	65.9	71						
	7-0	87			77.0	70.3	65.2	70						
	7-15	87			76.9	70.8	67.2	73						
	7-30	87			76.6	70.7	67.2	73						
	7-45	88			76.5	70.7	65.6	71						
	8-0	88			76.4	69.9	64.5	71						
	8-15	88			76.2	69.0	61.3	68						
	8-30	89			76.0	68.3	59.0	65						
	8-45	89			76.0	67.2	57.3	64						
	9-0	89			76.1	67.7	54.4	60						
	9-15	89			75.9	67.2	53.0	61						
	9-30	89			75.3	67.2	55.9	64						
	9-45	89			73.7	67.2	58.0	70						
	10-0	89			73.8	67.2	57.9	70						
	10-15	89			74.1	67.3	57.9	69						
	10-30	89			73.9	67.6	59.2	71						
	10-45	89			73.4	66.2	54.8	66						
	11-0	89			73.4	66.3	55.3	67						
	11-15	89			73.7	66.2	54.4	65						
	11-30	89			73.0	66.0	54.7	67						
	11-45	89			72.0	65.7	55.9	70						
24th Jan.	Mid- night.	89			70.9	64.8	53.3	71						
	A.M. 0-15	89			70.2	64.6	53.6	73						
	0-30	89			69.8	64.3	53.9	73						
	0-45	89			69.9	63.9	51.5	70						
	1-0	89			69.8	63.3	49.6	68						
	1-15	89			69.9	63.0	48.5	66						
	1-30	89			69.7	63.6	51.6	73						
	1-45	89			68.9	64.5	53.9	77						
	2-0	89			68.3	64.0	54.0	78						
	2-15	88			68.5	63.9	53.1	77						
	2-30	88			67.8	62.4	49.2	72						
	2-45	88			67.5	61.9	48.2	72						

VIZIADRUG—contd.

Lat. 16°34' N.

Long. 73°22' E.

On the central line of totality.

Date.	Hour.	Barograph.	Barometer reduced to 32° F.	Dry bulb, No. 201.	THERMOGRAPH.		Aqueous vapour pressure.	Relative humidity.	WIND		Cloud proportion.	Solar radiation thermometer.	Direction of sun when observed by eye.	WEATHER AND OTHER REMARKS.
	Madras time.				Dry bulb.	Wet bulb.			Direction.	Amount since preceding interval, in miles per hour.				
23th Jan.—contd.	A.M.							%						
	3-0	29.88			66.8	61.1	46.4	70						
	3-15	'88			66.6	61.3	47.3	72						
	3-30	'88			67.0	60.9	45.6	69						
	3-45	'87			67.0	60.7	44.9	68						
	4-0	'87			66.8	60.0	42.9	65						
	4-15	'87			66.3	59.8	42.9	66						
	4-30	'87			65.6	59.4	42.6	67						
	4-45	'87			65.7	58.4	39.4	62						
	5-0	'87			66.0	58.3	38.6	60						
	5-15	'87			66.3	58.0	38.7	60						
	5-30	'87			65.2	57.5	37.3	60						
	5-45	'87			65.2	57.5	37.3	60						
	6-0	'88			63.2	57.1	36.1	58						
	6-15	'88			65.1	57.0	35.9	58						
	6-30	'88			64.8	56.8	35.7	58						
	6-45	'89			65.0	57.0	36.0	58						
	7-0	'89			65.4	57.2	36.1	57						
	7-15	'90			66.2	58.3	38.3	59						
	7-30	'90			67.8	58.3	36.2	53						
	7-45	'90			68.2	58.9	37.6	55						
	8-0	'92			70.0	59.5	37.0	51						
	8-15	'93	29.904		71.9	60.5	37.6	48	ENE	11.6				
	8-30	'94			73.3	62.0	40.6	50						
	8-45	'94	'939		75.2	63.5	43.1	49	ENE					
	9-0	'95			77.0	64.4	43.7	48						
	9-15	'96			78.3	65.4	45.5	46						
	9-30	'96	'964		79.6	66.3	46.9	46	NE	5.4	Nil	86.6		
	9-45	'96			80.9	66.1	44.4	42						
	9-50								E	4.6		87.8		
	10-0	'96	'959		81.9	67.0	46.3	42	ESE	6.0	Nil	89.0		
	10-15	'96			83.0	67.7	47.5	42						
	10-20											89.4		
	10-30	'96			83.8	67.4	45.2	39						
	10-45	'95			84.7	68.2	47.0	39						
	11-0	'94			85.5	68.4	46.6	38						
	11-15	'94			86.1	69.8	51.0	41						
	11-30	'93			87.0	68.6	46.1	36						
	11-45	'93			87.9	69.5	47.5	36						
	Noon	'91			88.1	71.0	50.5	42						

Barograph five minutes fast; thermometer five minutes fast; readings probably slightly low, due to defective adjustment.

Lat. 16° 34' N.

Long. 73°22' E.

On the central line of totality.

[illegible]

Meteorological observations recorded at Ghunghuti by W. A. Bion, Esq., in connection with the Solar Eclipse of 22nd January 1898.

"In accordance with instructions received from the Meteorological Reporter to the Government of India, Secretary to the General Committee, G. V. Juggarow Observatory, I left Vizagapatam on the 11th January to take meteorological observations during the solar eclipse of the 22nd January. The station selected was Ghunghuti on the Bilaspur-Kutni branch line of the Bengal Nagpur Railway in Rewah, Central India, Lat. $23^{\circ}20'36''$ North and Long. $81^{\circ}14'55''$ East.

"The instruments taken were the following :—

Thermometers.

Dry Bulb	. . . . .	No. 656714 by J. Hicks.
Wet bulb	. . . . .	" 656713 do.
Maximum	. . . . .	" 80587 by Negretti and Zambra.
Dry minimum	. . . . .	" 78310 " "
Wet minimum	. . . . .	" 80700 " "

Robinson Anemometer.

Small Wind-vane.

Richard's self-recording Barograph.

Richard's self-recording Thermograph (dry and wet).

A full plate Camera by L. Casella with lens by Zeiss, Series II, A, No. 5.

"As the observatory unfortunately did not possess a chronometer, I had to use an ordinary watch set as accurately as possible to Madras time, which the Station Master kindly obtained for me an hour before the total phase of the eclipse commenced. The time used in the observations recorded is hence Madras time throughout, which differs from the local mean time of Ghunghuti by only a few minutes, the local time being four minutes in advance of Madras time.

"An open site was selected for the exposure of the instruments, and a bamboo staging, 3 feet in height, was erected for the cages containing the thermometers and thermograph. The cages consisted of wooden boxes, two feet square, with louvred sides and sloping tops. The extreme height of the cages was $2'7\frac{1}{2}"$. The anemometer was fixed on a post with the cups $6'2"$ above the ground, and the wind vane on another post at a height of 6 feet. The barograph was placed on a shelf in the railway station booking office. Both barograph and thermograph were set to the mercurial instruments at Alipore, and the thermograph was again set approximately correct at Ghunghuti, but it did not work very satisfactorily. No irrigating trough was supplied with this instrument for the wet "bulb," and it was difficult to keep the muslin properly wet, for whenever a few drops of water were placed on the muslin the weight of the water caused a temporary rise of about 2° in the trace. Eye observations of the mercurial thermometers were, however, taken at frequent intervals during the 21st and 22nd. A stand for the camera was constructed of a long board elevated at the correct angle by a hinged support. Long pieces of wood were screwed transversely to the bottom of board and support to give them greater stability, and, after having been adjusted in the correct position, they were made perfectly rigid by pegs, etc.

"I arrived at Ghunghuti on the night of the 19th, and on the morning of the 20th unpacked the barograph and thermograph and set them going while the stand for the thermometers was in course of construction. Readings of the anemometer and wind vane were taken from 14 hours on the 20th, and of the mercurial thermometers from 7 hours on the 21st.

"At 18 hours every evening all the instruments were taken into the tent, and brought outside again at about 6.30 in the morning.

"While in the railway station some one accidentally touched the pivoted pin in front of the barograph, thus removing the pin from the drum. Owing to this there is a break in the record from 15.15 to 19.15 on the 21st.

"The height of Ghumghuti above sea-level being considerable, the barograph lever was depressed to near the bottom of the drum. To guard against the possibility of any sudden change of pressure depressing the pin below the drum, I raised the lever by half an inch on the morning of the 22nd and altered the figures on the paper trace accordingly.

"Six exposures were made with the camera, one before, one after, and four during totality. The last of the four exposures during totality was completed just as the first point of light appeared from behind the moon. The following are the approximate times and length of exposure of each plate:—

No. of slide.	Kind of plate.	Stop.	Time of exposure.		Length of exposure.
			Madras time.		
No. 1	Written and Wainwright's Ordinary	F. 5	Hour.	Minutes.	Seconds.
			1	36	$\frac{1}{2}$
" 3	Written and Wainwright's Drop shutter	" 8	1	37 $\frac{1}{2}$	4
" 4	Do. do.	" 8	1	38	5
" 5	Do. do.	" 8	1	38 $\frac{1}{2}$	8
" 6	Do. do.	" 8	1	39	3
" 2	Written and Wainwright's Ordinary	80	1	40	$\frac{1}{2}$

"The plates were all backed with red and black paper-backing. The image obtained was very small, as the expedient of removing one of the lenses to obtain a larger image did not prove successful, as it was impossible to rack the camera out sufficiently to obtain the larger image in focus.

"The meteorological observations are given below. On the afternoon of the 19th and on the morning of the 20th and 21st thin cirrus cloud was observed, which on the 21st at 10 hours covered nearly the whole sky, but as the day advanced it disappeared. On the 22nd the sky was clear.

A gentle breeze was blowing all the morning of the 22nd, but within a few minutes of totality it died away suddenly, and during totality there was dead calm. The breeze commenced again about an hour after. The dry bulb fell from 77° at 12 hours to 68° at 13.58, after which temperature rose again, the fall due to the eclipse thus amounting to 8° 3. Both vapour pressure and relative humidity increased during totality; the maximum relative humidity being attained at the same hour as the minimum temperature; that of vapour pressure occurring a quarter of an hour later. The rise in relative humidity from 12.45 hours was from 23 to 44 per cent. and of vapour pressure from 0".213 to 0".322.

"From the barograph trace pressure would appear to have fallen perhaps slightly more rapidly between 12 and 14 hours on the day of the eclipse than on the preceding day, but the trace for the 20th shows a fall very similar to that on the 22nd."

Lat. 23° 21' N.

GHUNGHUTI.

Long. 81° 15' E.

On the line of totality.

DATE.	HOUR.		THERMOGRAPH.		Aqueous vapour pressure.	Relative humidity.	WIND		Cloud proportions.	WEATHER AND OTHER REMARKS.
	Madras time.	Barograph.	Dry bulb corrected.	Wet bulb corrected.			Direction.	Velocity during preceding interval, in miles per hour.		
20th Jan.	A.M.	"	"	"	"	%.				
	10-0	28.345								
	10-30	'340								
	11-0	'330								
	11-30	'315								
	11-45	'300								
	Noon.	'295								
	P.M.									
	0-15	'270								
	0-30	'270								
	0-45	'260								
	1-0	'260								
	1-10	'260								
	1-20	'250	75.4	58.5	268	31			Nil	
	1-25	'250	75.4	58.3	259	29			"	
	1-30	'250	75.6	59.3	250	33	NW		"	
	1-35	'245	76.4	60.4	234	34			"	
	1-40	'240	75.9	59.4	229	32			"	
	1-45	'240	76.1	60.3	214	35			"	
	1-50	'235	75.8	60.9	218	38			"	
	2-0	'235	76.9	60.9	223	35	NW		"	
21st Jan.	2-15	'230	77.5	61.1	221	34			"	
	2-30	'220	76.9	61.4	239	36			"	
	2-45	'220	77.1	60.4	204	33			"	
	3-0	'220	76.9	60.7	217	34	N		"	
	4-0	'200	75.8	60.9	238	35	N	29	"	
	5-0	'200	73.3	60.5	258	43	Calm	1.8	"	
	6-0	'200	58.4	51.2	283	57	Calm	0	"	
	7-0	'215								
	8-0	'230								
	9-0	'235								
	Mid-night.	'230								
	A.M.									
	1-0	'230								
	3-0	'210								
	4-0	'200								
	6-0	'200								
	7-0	'220	44.6	44.7	283	96	Calm.		3	Cloud to north.
	8-0	'245	52.6	49.5	214	79	Calm.	0	3	Cloud increasing.
	9-0	'265	65.0	55.9	228	53	Calm.	0	5	Do.
	10-0	'270	69.3	54.2	222	31	W	0.7	8	Light chroo covering almost whole sky.
	10-30	'260	72.4	55.1	206	26	NW	3.7	6	Cloud apparently disappearing.
	11-0	'250	71.7	55.7	233	30	NW	4.6	6	

Lat. 23° 21' N.

GHUNGHUTI—contd.

Long. 81° 15' E.

On the line of totality.

Date.	HOUR.		THERMOGRAPH.		Aqueous vapour pressure.	Relative humidity.	WIND		Cloud proportion.	WEATHER AND OTHER REMARKS.
	Madras time.	Barograph.	Dry bulb corrected.	Wet bulb corrected.			Direction.	Velocity during preceding interval, in miles per hour.		
21st Jan.—contd.	A.M.	"	"	"	"	%				
	11-30	28.245	73.7	55.9	212	25	NW	1.8	4	
	11-45	240	73.7	55.8	209	25	NW	1	1	
	Noon. P.M.	230	74.6	56.7	224	26	NW	1	NH	Clear.
	0-15	220	74.7	56.6	220	25	NW	1	"	
	0-30	215	76.8	58.5	249	27	W	3.7	"	
	0-45	210	76.1	56.2	190	21	WNW	2.7	"	
	1-0	200	75.8	55.9	184	21	NW	2.3	"	
	1-10	200	76.5	55.0	149	16	NNW	3.8	"	
	1-20	195	75.8	55.8	182	21	N	1.7	"	
	1-25	195	76.8	56.0	174	19	NNW	3.5	"	
	1-30	190	76.9	56.4	184	20	N	4.7	"	
	1-35	190	78.3	57.5	199	21	NNW	4.7	"	
	1-40	190	76.7	56.6	193	21	NNW	4.6	"	
	1-45	190	76.3	56.1	184	21	WNW	5.3	"	
	1-50	185	78.3	56.6	172	18	NNW	6.4	"	
	2-0	185	78.3	55.7	145	15	WNW	2.9	"	
	2-15	180	77.2	56.1	172	19	WNW	4.3	"	
	2-30	180	78.3	56.7	175	19	NW	4.2	"	
	2-45	175	77.4	57.1	204	21	NW	5.8	"	
	3-0	175	78.2	57.1	188	20	NW	3.1	"	
	4-0		78.6	57.5	195	20	W	3.1	"	
	5-0		56.4	49.9	275	60	Calm.	0.8	"	
	6-0	215								
	10-0	220								
	Mid-night.	220								
22nd Jan.	A.M.									
	1-0	220								
	3-0	220								
	4-0	215								
	6-0	220								
	7-0	240	47.1	39.9	231	90	Calm		"	
	8-0	265	56.4	50.5	291	64	Calm		"	
	9-0	285	69.2	53.2	243	34	NW	8.3	"	
	10-0	300	74.1	55.6	199	24	WNW	3.2	"	
	10-30	305	74.0	55.7	203	24	N	4.8	"	
	11-0	300	75.3	57.1	227	26	NNE	4.5	"	
	11-30	285	76.2	56.6	200	22	NNW	3.0	"	
	11-45	280	75.3	56.7	215	25	NNW	6.8	"	
	Noon. P.M.	270	77.8	57.4	202	21	NW	3.9	"	
	0-15	265	77.7	56.8	185	20	WNW	3.9	"	
	0-30	260	77.3	57.5	212	23	NNE	4.3	"	
	0-45	255	77.0	57.4	213	23	NNW	2.7	"	

Lat. 23° 21' N.

GHUNGHUTI—*concl'd.*

Long 81° 15' E.

On the line of totality.

DATE.	HOURS.		THERMOGRAPH.			Relative humidity.	WIND		Cloud proportion.	WEATHER AND OTHER REMARKS.
	Madrass time.	Barograph.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.		Direction.	Velocity during preceding interval, in miles per hour.		
23rd Jan. — <i>concl'd.</i>	P.M.									
	1-0	28°240	77°2	58°1	°231	25	NNW	37	NH	
	1-10	240	76°3	57°2	°216	24	NNW	17	"	
	1-15	240	75°5	56°6	°209	24	NNW	4°1	"	
	1-20	230	75°0	57°1	°231	25	NNW	5°2	"	
	1-25	230	74°5	57°4	°240	29	NNW	1°8	"	
	1-30	230	73°7	56°5	°230	28	NNW	1°9	"	
	1-35	230	72°7	57°1	°261	33	Calm	0	"	
	1-40	230	71°7	57°1	°274	36	Calm	0	"	
	1-45	230	71°3	56°5	°275	37	Calm	0	"	
	1-50	230	69°0	56°3	°287	40	NNW	0°6	"	
	1-55	230	68°9	57°2	°315	44	NNW	0°4	"	
	2-0	230	69°2	57°6	°309	42	Calm	0	"	
	2-10	230	71°3	58°4	°319	42	Calm	0	"	
	2-15	230	72°7	59°1	°322	41	Calm	0	"	
	2-20	230	73°6	57°5	°261	31	Calm	0	"	
	2-30	220	75°3	58°3	°263	30	NNW	0°3	"	
	2-40	220	76°2	56°3	°191	21	NNW	2°9	"	
	2-45	220	76°3	57°1	°215	24	NNE	3°5	"	
	2-50	220	76°4	58°0	°239	26	NNE	3°5	"	
	3-0	220	77°5	58°5	°240	26	N	3°5	"	
	3-15	220	77°3	57°1	°200	22	NW	3°1	"	
	3-30	225	77°4	57°5	°210	23	NNW	4°7	"	
	3-45	225	77°4	57°5	°210	23	NNW	3°5	"	
	4-0	225	77°0	57°3	°210	23	NNW	3°9	"	
	4-30	230	77°7	59°4	°265	28	Calm	1°2	"	
	5-0	245	73°3	55°7	°295	37	NNW	0°3	"	

Observations of Pressure and Temperature taken by J. Murray, Esq., Meteorological Reporter, N-W P and Oudh, during the Solar Eclipse of 22nd January 1898 at Dumnaon, Bihar

"A record of the pressure was obtained by means of an open scaled barograph (No 22705) by Richard Freres, check readings being at the same time taken at intervals on an ordinary mercury standard (No. 1439, Casella correction + 007") The temperature was similarly recorded on an open scale thermograph by the same maker, check readings being taken on mercury standard (No 384988, Hicks)

"The instruments were suspended in a thatched shed of the ordinary circular pattern, about 12 feet in diameter, open at the sides with eaves about 5 feet from the ground. The exposure of the instruments was fairly good. Traces of pressure and temperature were obtained for the six hours, noon to 6 P M, on the 22nd.

PRESSURE

"The following table gives the pressure readings of the barograph, as read off by a dividing engine for every five minutes from 12 hours to 16 hours and every 15 minutes thereafter from 16 hours to 18 hours on the 22nd January. The check readings of the standard barometer are also given.—

TABLE II

DATE	Time by barograph clock 3 minutes behind Madras time	Pressure by barograph	CHECK READINGS OF BAROMETER (CAS. NO. 1439)		Hour of check reading (by barograph clock)	Check readings corrected and reduced to 32° F	Corresponding read off from the barograph trace	Difference	REMARKS
			Barometer	Attached thermometer					
22nd Jan	Noon P M	29.775	"	"	P M	"	"	"	
	0-5	774							
	0-10	774							
	0-15	773							
	0-20	770							
	0-25	769							
	0-30	767	29.905	79.0	0-32	29.777	29.767	.010	
	0-35	766							
	0-40	765							
	0-45	760							
	0-50	756							
	0-55	753							
	1-0	752							
	1-5	750							
	1-10	749							
	1-15*	749	29.591	77.0	1-14	29.768	29.749	.019	* If one of the faster ops of its barograph gave way and the instrument jarred somewhat
	1-20	750							

DATE.	Time by barograph clock, 3 minutes behind Madras time.	Pressure by barograph.	CHECK READINGS OF BAROMETER (CAS. No. 1139).		Hour of check reading (by barograph clock).	Check readings corrected and reduced to 32° F.	Corresponding readings from the barograph trace.	Difference.	REMARKS.
			Barometer.	Attached thermometer.					
22nd Jan. —contd.	P.M.	"	"	"	P.M.	"	"	"	
	1-25	29.749	29.887	76.0	1-24	29.767	29.749	.018	
	1-30	748							
	1-35	748							
	1-40	748							
	1-45	747							
	1-50	746							
	1-55	746							
	2-0	745							
	2-5	745	29.860	71.5	2-4	29.751	29.745	.006	
	2-10	745							
	2-15	745							
	2-20	745							
	2-25	745	29.865	75.2	2-27	29.747	29.744	.003	
	2-30	742							
	2-35	741							
	2-40	739							
	2-45	738							
	2-50	738							
	2-55	738							
	3-0	736							
	3-5	736	29.870	74.0	3-7	29.755	29.735	.020	
	3-10	734							
	3-15	733							
	3-20	732							
	3-25	731							
	3-30	730							
	3-35	730							
	3-40	730							
	3-45	730							
	3-50	729							
	3-55	730							
	4-0	731							
	4-15	735	29.878	77.6	4-9	29.753	29.733	.020	
	4-30	738							

DATE.	Time by barograph clock, 3 minutes behind Madras time.	Pressure by barograph.	CHECK READINGS OF BAROMETER (C.S. No. 1439).		Hour of check read- ing (by barograph clock).	Check readings corrected and reduced to 32° F.	Correspond- ing readings from the barograph trace.	Difference.	REMARKS.
			Barometer.	Attached thermome- ter.					
22nd Jan. —concl.	P.M.								
	4:45	29.743							
	5:0	748							
	5:15	759							
	5:30	763							
	5:45	768							
	6:0	771							

"The check readings show that on the whole the barograph trace was in fair agreement with the readings of the corrected and reduced standard. The difference, half an hour after the instruments were set up, was '010"; during the next hour it increased to '018" or '019"; at, or shortly after, totality it fell to '006" and '003"; at 15 hour, when the eclipse was practically over, it was '020" and remained at that during the rest of the afternoon. Subsequent comparison of the barograph with a mercury standard has shown that in the main the reduced readings of the latter agree with those of the barograph to within about '010". The barograph, however, seems to require a correction for temperature, which for temperatures near 80°F. is approximately $\pm .001$ per 2° rise in temperature, and lags about ten minutes behind the change of temperature. A further correction of the barograph readings seems to be required for scale errors. When the scale is fixed on the drum, the lines of equal pressure slope slightly down, and readings at the end of a 24-hour period are therefore slightly higher than at the beginning. The difference due to this cause in the scale used on the 22nd January is '015" in 24 hours, or '001" in 1 hour 36 minutes. Hence, relatively to the readings previous to 12 hours 48 minutes on the 22nd, the following corrections must be applied.

Period.	Correction.
from 12h. 48m. to 14h. 24m.	—'001"
" 14h. 24m. " 16h.	—'002"
" 16h. " 17h. 36m.	—'003"
" 17h. 36m. " 18h.	—'004"

TEMPERATURE.

"The following table gives the dry and wet bulb readings of the thermograph trace with the check readings of the mercury standard. Check readings of a wet bulb instrument unfortunately could not be taken, but the wet bulb readings taken at Buxar may serve to give an approximate correction for the thermograph record. The dry bulb thermograph record was about 6 minutes behind Madras time, the wet bulb about 3 minutes fast, so that to make the two traces comparable the dry bulb trace must be moved forward about 9 minutes."

TABLE III.

DATE.	Time by Thermograph.	THERMOGRAPH.		Check readings of standard dry bulb (corrected).	Corresponding readings of thermo- graph dry bulb.	Difference.
		Dry bulb.	Wet bulb.			
22nd Jan.	Noon	84°0				
	P. M.					
	0-5	84°0				
	0-10	83°3				
	0-15	83°3				
	0-20	83°1				
	0-25	82°9				
	0-30	83°3				
	0-35	83°0				
	0-40	82°8				
	0-45	82°4	58°8			
	0-50	82°8	58°7			
	0-55	82°9	59°0			
	1-0	82°1	59°4			
	1-5	82°0	59°0			
	1-10	81°7	59°0	76°8	81°2	4°9
	1-15	81°3	59°2			
	1-20	81°0	58°5			
	1-25	80°0	59°0	73°9	80°0	6°1
	1-30	79°4	58°4			
	1-35	78°3	58°3			
	1-40	77°6	57°7			
	1-45	76°9	57°2			
	1-50	76°2	57°2			
	1-55	76°1	56°9			
	2-0	76°6	56°5	71°0	76°6	5°6
	2-5	77°2	56°3			
	2-10	78°0	56°6			
	2-15	79°0	57°1			
	2-20	79°5	57°0			
	2-25	80°0	57°9	74°8	80°0	5°2
	2-30	80°3	58°0			
	2-35	80°7	59°0			
	2-40	81°3	59°0			
	2-45	82°1	59°4			

DATE.	Time by Thermograph	THERMOGRAPH.		Check readings of standard dry bulb (corrected).	Corresponding readings of thermograph dry bulb	Difference
		Dry bulb	Wet bulb			
22nd Jan —concl'd	P. M.	0	0	0	0	0
	2 50	82.5	60.0			
	2 55	82.7	59.8			
	3 0	82.8	60.0			
	3 5	83.0	60.6	76.8	83.0	6.2
	3 10	83.0	60.0			
	3 15	83.0	60.2			
	3 20	83.0	59.7			
	3 25	83.0	60.2			
	3 30	83.0	59.7			
	3 35	82.7	59.8			
	3 40	82.7	59.8			
	3 45	82.4	59.8			
	3 50	82.1	59.9			
	3 55	82.0	59.5			
	4 0	82.0	59.3			
	4 15	81.3	59.5	75.9	81.9	6.0
	4 30	80.2	58.4			
	4 45	78.7	58.8			
	5 0	76.2	57.4			
	5 15	73.6	56.4			
	5 30	71.2	56.0			
	5 45	69.6	53.8			
	6 0	67.1	52.0			
	6 15		51.0			

The following table gives a summary of the observations (corrected and reduced) recorded by Mr. Murray at Dumraon.

Lat. 25° 33' N.

DUMRAON.

Long. 84° 12' E.

On the line of totality.

DATE.	HOUR.	Baro- graph.	THERMOGRAPH.		Aqueous vapour pressure.	Relative humidity.
			Dry bulb.	Wet bulb.		
22nd Jan.	P. M.					
	0-3	29.775	84.0			
	0-8	774	84.0			
	0-13	774	83.3			
	0-18	773	83.3			
	0-23	770	83.1			
	0-28	768	82.9			
	0-33	767	83.3			
	0-38	766	83.0			
	0-43	765	82.8			
	0-48	760	82.4	58.8	18.1	17
	0-53	756	82.8	58.7	17.6	16
	0-58	753	82.9	59.0	18.2	16
	1-3	752	82.1	59.4	20.6	18
	1-8	750	82.0	59.0	19.5	18
	1-13	749	81.7	59.0	19.9	18
	1-18	749	81.3	59.2	22.5	22
	1-23	750	81.0	58.5	19.3	20
	1-28	749	80.0	59.0	22.2	22
	1-33	748	79.4	58.4	21.1	21
	1-38	743	78.4	58.3	22.2	23
	1-43	748	77.6	57.7	21.6	23
	1-48	747	76.9	57.2	21.9	22
	1-53	746	76.2	57.2	21.7	24
	1-58	746	76.1	56.9	20.9	24
	2-3	745	76.6	56.5	19.2	22
	2-8	745	77.2	56.3	17.7	19
	2-13	745	76.0	56.6	17.3	19
	2-18	745	75.0	57.1	17.7	18
	2-23	745	79.5	7.5	19.2	19
	2-28	745	80.0	57.9	18.8	19
	2-33	742	80.3	58.0	18.6	19
	2-38	741	80.7	59.0	21.2	20
	2-43	739	81.3	59.0	20.4	20
	2-48	738	82.1	59.4	20.6	18
	2-53	738	82.5	60.0	22.0	20
	2-58	738	82.7	59.8	21.0	19
	3-3	736	82.8	60.0	21.6	19
	3-8	736	83.0	6.6	23.2	21
	3-13	731	83.0	60.0	21.3	19
	3-18	733	83.0	60.2	21.9	19
	3-23	732	83.0	59.7	20.3	19
	3-28	731	83.0	60.2	22.0	19
	3-33	730	83.0	59.7	20.3	19
	3-38	730	82.7	59.8	21.0	19
	3-43	729	82.7	59.8	21.0	19
	3-48	730	82.4	59.8	21.5	20
	3-53	729	82.1	59.9	22.1	21
	3-58	730	82.0	59.5	21.1	19
	4-3	731	82.0	59.3	20.5	19
	4-18	735	81.3	59.5	21.9	20
	4-33	738	80.7	58.4	20.6	19
	4-48	743	78.7	58.8	23.3	24
	5-3	743	76.2	57.4	22.4	24
	5-18	759	73.6	56.4	22.9	28
	5-33	763	71.2	56.0	24.8	33
	5-48	768	68.6	53.8	22.8	31
	6-3	771	67.1	52.0	27.6	29
	6-18			51.0		

